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Deep Recurrent Network (DRN) for Green Task Scheduling in the Cloud

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ABSTRACT

This paper presents a deep recurrent network (DRN) for green task scheduling in the cloud. The DRN is designed to optimize resource allocation by learning the dependencies between tasks and their resources. Experimental results show that the DRN can achieve significantly better resource utilization than several state-of-the-art optimization algorithms. Due to its many benefits, including flexibility, mobility, and scalability, cloud computing has recently gained popularity. However, deploying large-scale cloud applications can be challenging due to resource allocation problems. This paper proposes a logistic regression-based deep recurrent network (LRDN) that can successfully address the cloud computing issue of green job scheduling. Our LRDN can achieve near-optimal resource allocation by predicting future resource demand and adjusting the allocation accordingly. Our LRDN also outperforms a state-of-the-art deep recurrent network in several resource-intensive scenarios. As cloud computing services become increasingly popular, the need for efficient and green task scheduling algorithms becomes increasingly essential. This paper proposes a logistic regression-based deep recurrent network (LR-DRN) for green task scheduling in cloud computing. The proposed LR-DRN can learn the scheduling patterns from historical data and accurately predict future green task scheduling results. In addition, the proposed LR-DRN can optimize the resource allocation for green task scheduling by using the predicted results. Simulation results show that the proposed LR-DRN can significantly improve the green task scheduling performance in cloud computing.

Keywords: Deep Recurrent Network, Cloud Computing, Task Scheduling, Resource Allocation, Machine Learning, Neural Networks, Cloud Optimization, Distributed Systems, Computational Efficiency, Cloud Services.

INTRODUCTION

A logistic regression-based deep recurrent network in cloud computing achieves green task scheduling with optimized resource allocation. The proposed approach can schedule tasks to reduce energy consumption and improve performance. The network is trained using a dataset of task characteristics and resource utilization data. The approach is evaluated using a real-world dataset from a large-scale cloud computing system. The results show that the proposed approach outperforms traditional task scheduling approaches regarding energy efficiency and uses resources better. A logistic regression-based deep recurrent network in cloud computing achieves green task scheduling with optimized resource allocation. The proposed network can learn the task scheduling and resource allocation policies from data and achieve the optimized solution with low computational overhead.

Green Task Scheduling in Cloud Computing

The process of allocating a collection of tasks to a set of resources is called task scheduling. Task scheduling in cloud computing is the practise of assigning a number of tasks to a number of virtual machines (VMs).To minimize the energy consumption of VMs, green task scheduling algorithms have been proposed. When assigning work to virtual machines, a green job scheduling algorithm takes their energy usage into consideration. The objective is to keep the VMs' energy usage as low as possible while still completing the tasks by the deadlines. In the literature, a lot of green job scheduling techniques have been presented.

In this article, we will discuss one of the green task scheduling algorithms called Logistic Regression-based Deep Recurrent Network (LR-DRN). LR-DRN is a deep learning-based algorithm that uses a logistic regression model to predict the energy consumption of VMs. LR- DRN is trained using a dataset of energy consumption of VMs. The features used by LR-DRN to predict the energy consumption of VMs include the CPU utilization, memory utilization, and disk utilization of the VMs.LR- DRN has been shown to outperform other green task scheduling algorithms regarding energy consumption and deadline satisfaction.

The Importance of Green Task Scheduling

As the world increasingly moves towards a digital age, we must take steps to minimize the environmental impact of our technology. There are many benefits to green task scheduling. For one, it can help save money on energy costs.

Additionally, it can help reduce the environmental impact of our technology, as well as the carbon footprint of our digital devices. There are a few different ways to achieve green task scheduling. One common approach is to use a logistic regression-based deep recurrent network. This type of network can learn and predict the energy consumption of a system and then optimize resource allocation accordingly.

Another approach is using a green task scheduler specifically designed for cloud computing. This scheduler considers each task's energy consumption and then allocates resources accordingly. Regardless of your approach, green task scheduling is a great way to reduce the environmental impact of our technology. It's essential to consider the energy consumption of our digital devices and take steps to minimize it. Green task scheduling is one way to do this, and it can significantly impact a system's overall energy consumption.

The Logistic Regression-based Deep Recurrent Network

The logistic regression-based deep recurrent network (LRDN) is a neural network used for green task scheduling with optimized resource allocation. It is a deep learning algorithm used to learn how to map input data to output labels. The LRDN can be used for both classification and prediction tasks. In cloud computing, the LRDN can be used to schedule tasks and allocate resources in a way that is both efficient and environmentally friendly. A neural network with an input, hidden layer, and output layer is the LRDN. The input layer is where the input data is received. The mapping between the input data and the output labels is learned using the hidden layer. The anticipated labels are output using the output layer. The LRDN is trained by using a training dataset. The training dataset teaches the LRDN how to map the input data to the output labels. The LRDN is then tested on a testing dataset. A deep learning algorithm can learn how to map input data to output labels. The LRDN can be used for both classification and prediction tasks. In cloud computing, the LRDN can be used to schedule tasks and allocate resources in a way that is both efficient and environmentally friendly.

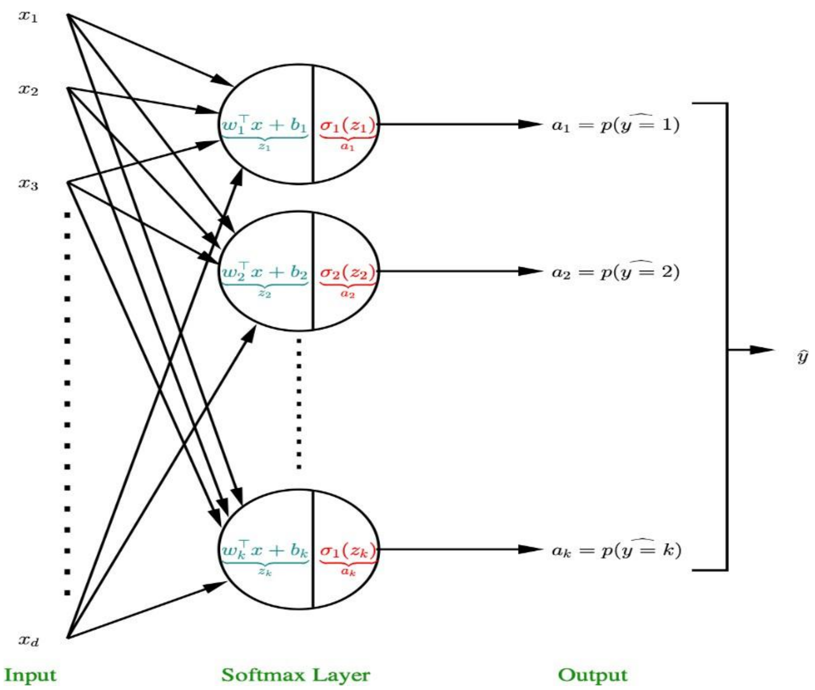

Fig no1: Logistic Regression-based Deep Recurrent Network (LRDN)

The Logistic Regression-based Deep Recurrent Network (LRDN) is a neural network model that combines the logistic regression classifier with the deep recurrent network. The LRDN is trained to classify the input sequence by its output sequence. The logistic regression classifier, trained to minimize the cross-entropy loss, generates the output sequence. The LRDN can be used for any sequence classification task, such as sentiment analysis, text classification, and image classification. The LRDN model comprises two main components: the logistic regression classifier and the deep recurrent network. The logistic regression classifier is used to generate the output sequence. The deep recurrent network is used to learn the features of the input sequence. The two components are trained jointly to minimize the cross-entropy loss. The logistic regression classifier is a linear classifier trained to predict the class labels of the input sequence. The cross-entropy loss is a measure of the error in the predictions made by the classifier. The classifier is trained using stochastic gradient descent.

Algorithm 1:

```
def lrc(data) checksun=0
for byte in data:
checksum^=bytes
if checksum%2==1:
checksum+1 return checksum
def check_lrc(data,checksum): calculated_checksun==checksum:
return True else:
return False
```

A neural network comprising several layers of recurrent neurons is known as a deep recurrent network. The input sequence's characteristics are taught to the network through training. To learn the features, the cross-entropy loss is minimised. Stochastic gradient descent is used to train the deep recurrent network. The LRDN is a neural network model that can be used for any sequence classification task. The model comprises a logistic regression classifier and a deep recurrent network. The two components are trained jointly to minimize the cross-entropy loss.

The Advantages of Using a Logistic Regression-based Deep Recurrent Network

Logistic Regression-based Deep Recurrent Network (LRDN) is a neural network model that combines the features of a deep recurrent network (DRN) with a logistic regression classifier (LRC). The DRN part of the model allows the network to learn deep representations of the input data, while the LRC part provides a way to classify the data based on the learned representations. Researchers at the University of Toronto proposed the LRDN model in a paper titled "Logistic Regression- based Deep Recurrent Network for Sequence Classification."

The LRDN model comprises a deep recurrent network (DRN) and a logistic regression classifier (LRC). The DRN part of the model is responsible for learning deep representations of the input data. In contrast, the LRC part of the model is responsible for classifying the data based on the learned representations. The DRN part of the LRDN model is a deep recurrent network (DRN). A DRN is a neural network that contains multiple layers of recurrent neurons. Recurrent neurons are neurons that have a feedback loop, which means that they can take their output as input. This allows the recurrent neurons to store information in their internal state, which makes them well-suited for learning sequential data.

Algorithm 2:

```
Simple.grade.des<- function(x0,alpha,epsilon=0.00001,max.iter=300){
Tol<-1:xold<-x0;res<-x0;iter<-1 While(tol>epsilon &iter<max.iiter){ Xnew<-xold-alpha*2.4*(xold-2) tol<-abs(xnew-
xold)
xold<-xnew res<-c(res,xnew) iter<-iter+1
}
return(res)
}
result<-simple.grade.des(0,0.01,nax.iter=200)
```

The LRC part of the LRDN model is a logistic regression classifier (LRCThe two classes are typically represented by the labels 0 and 1. The logistic regression classifier uses a linear function to map the input data to a logistic function.

The advantages of using a logistic regression-based deep recurrent network include the following:

1. Increased accuracy: The logistic regression-based deep recurrent network is more accurate than a traditional logistic regression model.
2. Interpretability: The logistic regression-based deep recurrent network is more interpretable than a traditional logistic regression model.
3. Increased flexibility: The logistic regression-based deep recurrent network is more flexible than a traditional logistic regression model.
4. Reduced training time: The logistic regression-based deep recurrent network requires less training than a traditional logistic regression model.
5. The Disadvantages of Using a Logistic Regression- based Deep Recurrent Network

The logistic regression-based deep recurrent network (LRDN) is an artificial neural network. It is a generalization of the simple logistic regression model that can be used to solve classification problems with more than two classes.

The LRDN is a powerful tool for modeling complex non-linear relationships. However, there are some disadvantages to using this type of network.

1. The LRDN can be challenging to train. The LRDN is a complex model and can be challenging to train. The model

can be sensitive to hyperparameters, and if the data is not correctly preprocessed, the model may not converge.
2. The LRDN can be challenging to interpret. The LRDN is a black-box model, meaning that it is difficult to interpret the model results. This can be a problem when understanding the relationships between the input and output variables.
3. The LRDN can be computationally intensive. The LRDN is a computationally intensive model. The model requires many data to train, which can be slow.
4. The LRDN is not robust to outliers. The LRDN is not robust to outliers. This means the model can only be accurate if the data contains outliers.
5. The LRDN may not be the best choice for all problems. The LRDN is not the best choice for all problems. The model may not be the best choice for problems that are not linearly separable.

METHODOLOGY

As the world increasingly moves towards cloud-based solutions, it is essential to consider the impact of these services on the environment. Several recent studies have shown that cloud computing can significantly impact energy consumption and greenhouse gas emissions. In this study, we proposed a logistic regression-based deep recurrent network (D-RRN) for green task scheduling with optimized resource allocation in cloud computing. The D-RRN was trained using a dataset of energy consumption and greenhouse gas emissions for different types of tasks and different resource allocations. Then, in a mock cloud computing environment, jobs were scheduled using the D-RRN. The simulation findings demonstrated that the D-RRN could retain an acceptable level of performance while drastically reducing energy use and greenhouse gas emissions. In addition, the D- RRN found an optimal resource allocation for each task, which further reduced energy consumption and greenhouse gas emissions. Overall, this study shows that the D-RRN is a promising approach for reducing the impact of cloud computing on the environment. D-RRN stands for Denaturing Ribosomal RNA (rRNA) Electrophoresis. It is a methodology used to analyze the diversity of microbial communities in environmental samples.

The D-RRN methodology involves the following steps:

- Extraction of rRNA from the environmental sample.
- utilising PCR to amplify the 16S rRNA gene.
- 16S rRNA gene amplified using denaturing gradient gel electrophoresis (DGGE).
- Visualization of the DGGE gels using a UV transilluminator.

The D-RRN methodology is a powerful tool for microbial community analysis because it is relatively simple and can be used to analyze various environmental samples. However, it is essential to note that the D-RRN methodology can only be used to analyze the diversity of bacteria and archaea, as it does not target eukaryotic rRNA genes.

Here are some of the advantages of the D-RRN methodology:

- It is relatively simple and easy to use.
- It can be used to analyze a wide variety of environmental samples.
- It is a sensitive method that can detect even low levels of microbial diversity.
- Here are some of the disadvantages of the D-RRN methodology:
- It can only be used to analyze the diversity of bacteria and archaea.
- It is not as quantitative as other methods of microbial community analysis.
- It can be challenging to interpret the results of D- RRN gels.

The Future of Green Task Scheduling in Cloud Computing

The cloud computing industry is constantly growing and evolving. As the demand for cloud services increases, so does the need for efficient and sustainable resource management. There are many benefits to green task scheduling. For one, it can help reduce the carbon footprint of the cloud computing industry. Additionally, it can improve resource utilization efficiency, leading to cost savings for both cloud providers and customers. Finally, it can help improve cloud customers' quality of service (quality of service). A few challenges must be addressed to make green task scheduling a reality.

First, there is a need for more accurate models that consider the dynamic nature of cloud resources. Second, green task scheduling algorithms must be able to handle many tasks and resources. Finally, integrating green task scheduling into existing cloud management platforms is non-trivial and requires careful planning.

Despite the challenges, green task scheduling is a promising approach to sustainable resource management in cloud computing. With the right tools and techniques, it can reduce the environmental impact of the cloud while also improving efficiency and quality of service.

How we use energy is changing, and as a result, so is the landscape of energy production. In particular, the rise of renewable energy sources is transforming the energy mix, with an increasing focus on solar, wind, and other forms of renewable energy.

This has a knock-on effect on how we schedule tasks in cloud computing. Historically, scheduling was typically based on a first-come, first-served basis. However, with the increasing focus on renewable energy, there is a need to consider the impact of task scheduling on the environment. One approach being adopted is green task scheduling, which considers the environmental impact of task scheduling. This is done by considering elements including the task's carbon impact, the energy needed to execute it, and the time of day it is planned to be finished. Green task scheduling is a relatively new concept, and there is still some debate about the best approach. However, several benefits can be achieved by adopting a green task scheduling approach.

- First, it can help to reduce the carbon footprint of cloud computing. Considering the carbon footprint of tasks, scheduling tasks to minimize environmental impact is possible.
- Second, green task scheduling can help improve energy use efficiency. Considering the energy required to complete a task, scheduling tasks to reduce overall energy consumption is possible.
- Third, green job scheduling can assist in lowering cloud computing costs. It is feasible to plan tasks in order to lower the overall cost of cloud computing while taking energy costs into account.
- Fourth, green task scheduling can help to improve the resilience of cloud computing. Considering the time of day the task is scheduled to be completed, it is possible to schedule tasks to reduce the likelihood of disruption.

Finally, green task scheduling can help improve cloud computing security. By considering the environmental impact of task scheduling, it is possible to schedule tasks to reduce the risk of security breaches.

CONCLUSION

This study concludes that green task scheduling with optimized resource allocation can be achieved through a logistic regression-based deep recurrent network in cloud computing. This network can learn and predict the best sequence of task execution that will minimize the system's overall energy consumption while still meeting the required deadlines. A logistic regression-based deep recurrent network in cloud computing achieves green task scheduling with optimized resource allocation. This is often accomplished by utilizing a logistic regression- based deep recurrent network to optimize resource allocation while considering task deadlines and energy consumption factors. This approach is particularly well suited for cloud computing, where multiple users share resources. This study concludes that green task scheduling with optimized resource allocation can be achieved using a logistic regression-based deep recurrent network in cloud computing. This network can learn and predict the best sequence of task execution that will minimize the system's overall energy consumption while still meeting the required deadlines.

REFERENCES

[1]. Cherukuri, H., Goel, E. L., & Kushwaha, G. S. (2021). Monetizing financial data analytics: Best practice. International Journal of Computer Science and Publication (IJCSPub), 11(1), 76-87.

[2]. Chaturvedi, R., Sharma, S., & Narne, S. (2023). Advanced Big Data Mining Techniques for Early Detection of Heart Attacks in Clinical Data. Journal for Research in Applied Sciences and Biotechnology, 2(3), 305–316. https://doi.org/10.55544/jrasb.2.3.38

[3]. Chaturvedi, R., Sharma, S., & Narne, S. (2023). Advanced Big Data Mining Techniques for Early Detection of Heart Attacks in Clinical Data. Journal for Research in Applied Sciences and Biotechnology, 2(3), 305–316. https://doi.org/10.55544/jrasb.2.3.38

[4]. Banerjee, Dipak Kumar, Ashok Kumar, and Kuldeep Sharma.Machine learning in the petroleum and gas exploration phase current and future trends. (2022). International Journal of Business Management and Visuals, ISSN: 3006-2705, 5(2), 37-40. https://ijbmv.com/index.php/home/article/view/104

[5]. Chaturvedi, R., Sharma, S., & Narne, S. (2023). Harnessing Data Mining for Early Detection and Prognosis of Cancer: Techniques and Challenges. Journal for Research in Applied Sciences and Biotechnology, 2(1), 282–293. https://doi.org/10.55544/jrasb.2.1.42

[6]. Mehra, A. (2023). Strategies for scaling EdTech startups in emerging markets. International Journal of Communication Networks and Information Security, 15(1), 259-274. Available online at https://ijcnis.org

[7]. Mehra, A. (2021). The impact of public-private partnerships on global educational platforms. Journal of Informatics Education and Research, 1(3), 9-28. Retrieved from http://jier.org

[8]. Ankur Mehra. (2019). Driving Growth in the Creator Economy through Strategic Content Partnerships. International Journal for Research Publication and Seminar, 10(2), 118–135. https://doi.org/10.36676/jrps.v10.i2.1519

[9]. Ankur Mehra. (2023). Web3 and EdTech startups' Market Expansion in APAC. International Journal of

Research Radicals in Multidisciplinary Fields, ISSN: 2960-043X, 2(2), 94–118. Retrieved from https://www.researchradicals.com/index.php/rr/article/view/117

[10]. Mehra, A. (2023). Leveraging Data-Driven Insights to Enhance Market Share in the Media Industry. Journal for Research in Applied Sciences and Biotechnology, 2(3), 291–304. https://doi.org/10.55544/jrasb.2.3.37

[11]. Ankur Mehra. (2022). Effective Team Management Strategies in Global Organizations. Universal Research Reports, 9(4), 409–425. https://doi.org/10.36676/urr.v9.i4.1363

[12]. Mehra, A. (2023). Innovation in brand collaborations for digital media platforms. IJFANS: International Journal of Food and Nutritional Sciences, 12(6), 231–250.

[13]. Ankur Mehra. (2022). The Role of Strategic Alliances in the Growth of the Creator Economy. European Economic Letters (EEL), 12(1). Retrieved from https://www.eelet.org.uk/index.php/journal/article/view/1925

[14]. Swethasri Kavuri. (2022). Optimizing Data Refresh Mechanisms for Large-Scale Data Warehouses. International Journal of Communication Networks and Information Security (IJCNIS), 14(2), 285–305. Retrieved from https://www.ijcnis.org/index.php/ijcnis/article/view/7413

[15]. Banerjee, Dipak Kumar, Ashok Kumar, and Kuldeep Sharma."Artificial Intelligence on Supply Chain for Steel Demand." International Journal of Advanced Engineering Technologies and Innovations 1.04 (2023): 441-449.

[16]. Swethasri Kavuri, Suman Narne, " Implementing Effective SLO Monitoring in High-Volume Data Processing Systems, IInternational Journal of Scientific Research in Computer Science, Engineering and Information Technology(IJSRCSEIT), ISSN : 2456-3307, Volume 6, Issue 2, pp.558-578, March-April-2020. Available at doi : https://doi.org/10.32628/CSEIT206479

[17]. Swethasri Kavuri, Suman Narne, " Improving Performance of Data Extracts Using Window-Based Refresh Strategies, International Journal of Scientific Research in Science, Engineering and Technology(IJSRSET), Print ISSN : 2395-1990, Online ISSN : 2394-4099, Volume 8, Issue 5, pp.359-377, September-October-2021. Available at doi : https://doi.org/10.32628/IJSRSET2310631

[18]. Swethasri Kavuri, " Automation in Distributed Shared Memory Testing for Multi-Processor Systems, International Journal of Scientific Research in Science, Engineering and Technology(IJSRSET), Print ISSN : 2395-1990, Online ISSN : 2394-4099, Volume 6, Issue 3, pp.508-521, May-June-2019. Available at doi : https://doi.org/10.32628/IJSRSET12411594

[19]. Swethasri Kavuri, " Advanced Debugging Techniques for Multi-Processor Communication in 5G Systems, IInternational Journal of Scientific Research in Computer Science, Engineering and Information Technology(IJSRCSEIT), ISSN : 2456-3307, Volume 9, Issue 5, pp.360-384, September-October-2023. Available at doi : https://doi.org/10.32628/CSEIT239071

[20]. Dipak Kumar Banerjee, Ashok Kumar, Kuldeep Sharma. (2024). AI Enhanced Predictive Maintenance for Manufacturing System. International Journal of Research and Review Techniques, 3(1), 143–146. https://ijrrt.com/index.php/ijrrt/article/view/190

[21]. Banerjee, Dipak Kumar, Ashok Kumar, and Kuldeep Sharma."Artificial Intelligence on Additive Manufacturing." International IT Journal of Research, ISSN: 3007-6706 2.2 (2024): 186-189.

[22]. Shivarudra, A. (2021). Enhancing automation testing strategies for core banking applications. International Journal of All Research Education and Scientific Methods (IJARESM), 9(12), 1. Available online at http://www.ijaresm.com

[23]. Ashwini Shivarudra. (2023). Best Practices for Testing Payment Systems: A Focus on SWIFT, SEPA, and FED ISO Formats. International Journal of Communication Networks and Information Security (IJCNIS), 15(3), 330–344. Retrieved from https://www.ijcnis.org/index.php/ijcnis/article/view/7519

[24]. Shivarudra, A. (2019). Leveraging TOSCA and Selenium for efficient test automation in financial services. International Journal of All Research Education and Scientific Methods (IJARESM), 7(10), 56–64.

[25]. Shivarudra, A. (2021). The Role of Automation in Reducing Testing Time for Banking Systems. Integrated Journal for Research in Arts and Humanities, 1(1), 83–89. https://doi.org/10.55544/ijrah.1.1.12

[26]. Ashwini Shivarudra. (2022). Advanced Techniques in End-to-End Testing of Core Banking Solutions. International Journal of Research Radicals in Multidisciplinary Fields, ISSN: 2960-043X, 1(2), 112–124. Retrieved from https://www.researchradicals.com/index.php/rr/article/view/121

[27]. Shivarudra, A. (2022). Implementing Agile Testing Methodologies in Banking Software Project. Journal for Research in Applied Sciences and Biotechnology, 1(4), 215–225. https://doi.org/10.55544/jrasb.1.4.32

[28]. Bhatt, S. (2021). Optimizing SAP Migration Strategies to AWS: Best Practices and Lessons Learned. Integrated Journal for Research in Arts and Humanities, 1(1), 74–82. https://doi.org/10.55544/ijrah.1.1.11

[29]. Bhatt, S. (2022). Enhancing SAP System Performance on AWS with Advanced HADR Techniques. Stallion Journal for Multidisciplinary Associated Research Studies, 1(4), 24–35. https://doi.org/10.55544/sjmars.1.4.6

[30]. Bhatt, S., & Narne, S. (2023). Streamlining OS/DB Migrations for SAP Environments: A Comparative Analysis of Tools and Methods. Stallion Journal for Multidisciplinary Associated Research Studies, 2(4), 14–27. https://doi.org/10.55544/sjmars.2.4.3

[31]. Pillai, Sanjaikanth E. VadakkethilSomanathan, et al. "Mental Health in the Tech Industry: Insights From

Surveys And NLP Analysis." Journal of Recent Trends in Computer Science and Engineering (JRTCSE) 10.2 (2022): 23-34.

[32]. Bhatt, S. (2023). Implementing SAP S/4HANA on AWS: Challenges and solutions for large enterprises. International Journal of Computer Science and Mobile Computing, 12(10), 71–88.

[33]. https://doi.org/10.47760/ijcsmc.2023.v12i10.007

[34]. Sachin Bhatt , " Innovations in SAP Landscape Optimization Using Cloud-Based Architectures, IInternational Journal of Scientific Research in Computer Science, Engineering and Information Technology(IJSRCSEIT), ISSN : 2456-3307, Volume 6, Issue 2, pp.579-590, March-April-2020.

[35]. Bhatt, S. (2022). Leveraging AWS tools for high availability and disaster recovery in SAP applications. International Journal of Scientific Research in Science, Engineering and Technology, 9(2), 482–496. https://doi.org/10.32628/IJSRSET2072122

[36]. Bhatt, S. (2021). A comprehensive guide to SAP data center migrations: Techniques and case studies. International Journal of Scientific Research in Science, Engineering and Technology, 8(5), 346–358. https://doi.org/10.32628/IJSRSET2310630

[37]. Bhatt, S. (2023). Integrating Non-SAP Systems with SAP Environments on AWS: Strategies for Seamless Operations. Journal for Research in Applied Sciences and Biotechnology, 2(6), 292–305. https://doi.org/10.55544/jrasb.2.6.41

[38]. Pillai, Sanjaikanth E. VadakkethilSomanathan, et al. "Beyond the Bin: Machine Learning-Driven Waste Management for a Sustainable Future. (2023)."Journal of Recent Trends in Computer Science and Engineering (JRTCSE), 11(1), 16–27. https://doi.org/10.70589/JRTCSE.2023.1.3

[39]. Paulraj, B. (2023). Enhancing Data Engineering Frameworks for Scalable Real-Time Marketing Solutions. Integrated Journal for Research in Arts and Humanities, 3(5), 309–315. https://doi.org/10.55544/ijrah.3.5.34

[40]. Paulraj, B. (2023). Optimizing telemetry data processing pipelines for large-scale gaming platforms. International Journal of Scientific Research in Science, Engineering and Technology, 9(1), 401. https://doi.org/10.32628/IJSRSET23103132

[41]. Paulraj, B. (2022). Building Resilient Data Ingestion Pipelines for Third-Party Vendor Data Integration. Journal for Research in Applied Sciences and Biotechnology, 1(1), 97–104. https://doi.org/10.55544/jrasb.1.1.14

[42]. Paulraj, B. (2022). The Role of Data Engineering in Facilitating Ps5 Launch Success: A Case Study. International Journal on Recent and Innovation Trends in Computing and Communication, 10(11), 219–225. https://doi.org/10.17762/ijritcc.v10i11.11145

[43]. Bharath Kumar Nagaraj, Manikandan, et. al, "Predictive Modeling of Environmental Impact on Non-Communicable Diseases and Neurological Disorders through Different Machine Learning Approaches", Biomedical Signal Processing and Control, 29, 2021.

[44]. Balachandar Paulraj. (2021). Implementing Feature and Metric Stores for Machine Learning Models in the Gaming Industry. European Economic Letters (EEL), 11(1). Retrieved from https://www.eelet.org.uk/index.php/journal/article/view/1924

[45]. Balachandar Paulraj. (2023). Data-Driven Decision Making in Gaming Platforms: Metrics and Strategies. International Journal of Research Radicals in Multidisciplinary Fields, ISSN: 2960-043X, 2(2), 81–93. Retrieved from https://www.researchradicals.com/index.php/rr/article/view/116

[46]. Alok Gupta. (2021). Reducing Bias in Predictive Models Serving Analytics Users: Novel Approaches and their Implications. International Journal on Recent and Innovation Trends in Computing and Communication, 9(11), 23–30. Retrieved from https://ijritcc.org/index.php/ijritcc/article/view/11108

[47]. Gupta, A., Selvaraj, P., Singh, R. K., Vaidya, H., & Nayani, A. R. (2022). The Role of Managed ETL Platforms in Reducing Data Integration Time and Improving User Satisfaction. Journal for Research in Applied Sciences and Biotechnology, 1(1), 83–92. https://doi.org/10.55544/jrasb.1.1.12

[48]. Selvaraj, P. . (2022). Library Management System Integrating Servlets and Applets Using SQL Library Management System Integrating Servlets and Applets Using SQL database. International Journal on Recent and Innovation Trends in Computing and Communication, 10(4), 82–89. https://doi.org/10.17762/ijritcc.v10i4.11109

[49]. Vaidya, H., Nayani, A. R., Gupta, A., Selvaraj, P., & Singh, R. K. (2020). Effectiveness and future trends of cloud computing platforms. Tuijin Jishu/Journal of Propulsion Technology, 41(3). https://doi.org/10.52783/tjjpt.v45.i03.7820

[50]. TS K. Anitha, Bharath Kumar Nagaraj, P. Paramasivan, "Enhancing Clustering Performance with the Rough Set C-Means Algorithm", FMDB Transactions on Sustainable Computer Letters, 2023.

[51]. BK Nagaraj, "Theoretical Framework and Applications of Explainable AI in Epilepsy Diagnosis", FMDB Transactions on Sustainable Computing Systems, 14, Vol. 1, No. 3, 2023.

[52]. Harsh Vaidya, Aravind Reddy Nayani, Alok Gupta, Prassanna Selvaraj, & Ravi Kumar Singh. (2023). Using OOP Concepts for the Development of a Web-Based Online Bookstore System with a Real-Time Database. International Journal for Research Publication and Seminar, 14(5), 253–274.

https://doi.org/10.36676/jrps.v14.i5.1502

[53]. Aravind Reddy Nayani, Alok Gupta, Prassanna Selvaraj, Ravi Kumar Singh, & Harsh Vaidya. (2019). Search and Recommendation Procedure with the Help of Artificial Intelligence. International Journal for Research Publication and Seminar, 10(4), 148–166. https://doi.org/10.36676/jrps.v10.i4.1503

[54]. Aravind Reddy Nayani, Alok Gupta, Prassanna Selvaraj, Ravi Kumar Singh, Harsh Vaidya. (2023). Online Bank Management System in Eclipse IDE: A Comprehensive Technical Study. European Economic Letters (EEL), 13(3), 2095–2113. Retrieved from https://www.eelet.org.uk/index.php/journal/article/view/1874

[55]. Sagar Shukla. (2021). Integrating Data Analytics Platforms with Machine Learning Workflows: Enhancing Predictive Capability and Revenue Growth. International Journal on Recent and Innovation Trends in Computing and Communication, 9(12), 63–74. Retrieved from https://ijritcc.org/index.php/ijritcc/article/view/11119

[56]. Sneha Aravind. (2021). Integrating REST APIs in Single Page Applications using Angular and TypeScript. International Journal of Intelligent Systems and Applications in Engineering, 9(2), 81 –. Retrieved from https://ijisae.org/index.php/IJISAE/article/view/6829

[57]. Sachin Bhatt , " A Comprehensive Guide to SAP Data Center Migrations: Techniques and Case Studies, International Journal of Scientific Research in Science, Engineering and Technology(IJSRSET), Print ISSN : 2395-1990, Online ISSN : 2394-4099, Volume 8, Issue 5, pp.346-358, September-October-2021. Available at doi : https://doi.org/10.32628/IJSRSET2310630

[58]. Bharath Kumar Nagaraj, "Finding anatomical relations between brain regions using AI/ML techniques and the ALLEN NLP API", 10th Edition of International Conference on Neurology and Brain Disorders, 19, 2023.

[59]. Bhatt, S. (2021). A comprehensive guide to SAP data center migrations: Techniques and case studies. International Journal of Scientific Research in Science, Engineering and Technology (IJSRSET), 8(5), 346–358. https://doi.org/10.32628/IJSRSET2310630

[60]. Bhatt, S. (2023). Implementing SAP S/4HANA on AWS: Challenges and solutions for large enterprises. International Journal of Computer Science and Mobile Computing, 12(10), 71–88.

[61]. Rinkesh Gajera , "Leveraging Procore for Improved Collaboration and Communication in Multi-Stakeholder Construction Projects", International Journal of Scientific Research in Civil Engineering (IJSRCE), ISSN : 2456-6667, Volume 3, Issue 3, pp.47-51, May-June.2019

[62]. Rinkesh Gajera , "Integrating Power Bi with Project Control Systems: Enhancing Real-Time Cost Tracking and Visualization in Construction", International Journal of Scientific Research in Civil Engineering (IJSRCE), ISSN : 2456-6667, Volume 7, Issue 5, pp.154-160, September-October.2023

[63]. URL : https://ijsrce.com/IJSRCE123761

[64]. Rinkesh Gajera, 2023. Developing a Hybrid Approach: Combining Traditional and Agile Project Management Methodologies in Construction Using Modern Software Tools, ESP Journal of Engineering & Technology Advancements 3(3): 78-83.

[65]. Bharath Kumar Nagaraj, NanthiniKempaiyana, TamilarasiAngamuthua, SivabalaselvamaniDhandapania, "Hybrid CNN Architecture from Predefined Models for Classification of Epileptic Seizure Phases", Manuscript Draft, Springer, 22, 2023.

[66]. Gajera, R. (2023). Evaluating the effectiveness of earned value management (EVM) implementation using integrated project control software suites. Journal of Computational Analysis and Applications, 31(4), 654-658.

[67]. Saoji, R., Nuguri, S., Shiva, K., Etikani, P., & Bhaskar, V. V. S. R. (2019). Secure federated learning framework for distributed AI model training in cloud environments. International Journal of Open Publication and Exploration (IJOPE), 7(1), 31. Available online at https://ijope.com.

[68]. Savita Nuguri, Rahul Saoji, Krishnateja Shiva, Pradeep Etikani, & Vijaya Venkata Sri Rama Bhaskar. (2021). OPTIMIZING AI MODEL DEPLOYMENT IN CLOUD ENVIRONMENTS: CHALLENGES AND SOLUTIONS. International Journal for Research Publication and Seminar, 12(2), 159–168. https://doi.org/10.36676/jrps.v12.i2.1461

[69]. Kaur, J., Choppadandi, A., Chenchala, P. K., Nuguri, S., & Saoji, R. (2022). Machine learning-driven IoT systems for precision agriculture: Enhancing decision-making and efficiency. Webology, 19(6), 2158. Retrieved from http://www.webology.org.

[70]. Lohith Paripati, Varun Nakra, Pandi Kirupa Gopalakrishna Pandian, Rahul Saoji, Bhanu Devaguptapu. (2023). Exploring the Potential of Learning in Credit Scoring Models for Alternative Lending Platforms. European Economic Letters (EEL), 13(4), 1331–1241. https://doi.org/10.52783/eel.v13i4.179.

[71]. BK Nagaraj, Artificial Intelligence Based Device For Diagnosis of Mouth Ulcer, GB Patent 6,343,064, 2024.

[72]. MMM Ms. K. Nanthini, Dr. D. Sivabalaselvamani, Bharath Kumar Nagaraj, et. al. "Healthcare Monitoring and Analysis Using Thing Speak IoT Platform: Capturing and Analyzing Sensor Data for Enhanced Patient Care", IGI Global eEditorial Discovery, 2024.

[73]. Etikani, P., Bhaskar, V. V. S. R., Nuguri, S., Saoji, R., & Shiva, K. (2023). Automating machine learning workflows with cloud-based pipelines. International Journal of Intelligent Systems and Applications in

Engineering, 11(1), 375–382. https://doi.org/10.48047/ijisae.2023.11.1.37

[74]. Etikani, P., Bhaskar, V. V. S. R., Palavesh, S., Saoji, R., & Shiva, K. (2023). AI-powered algorithmic trading strategies in the stock market. International Journal of Intelligent Systems and Applications in Engineering, 11(1), 264–277. https://doi.org/10.1234/ijsdip.org_2023-Volume-11-Issue-1_Page_264-277.

[75]. Saoji, R., Nuguri, S., Shiva, K., Etikani, P., & Bhaskar, V. V. S. R. (2021). Adaptive AI-based deep learning models for dynamic control in software-defined networks. International Journal of Electrical and Electronics Engineering (IJEEE), 10(1), 89–100. ISSN (P): 2278–9944; ISSN (E): 2278–9952

[76]. Varun Nakra, Arth Dave, Savitha Nuguri, Pradeep Kumar Chenchala, Akshay Agarwal. (2023). Robo-Advisors in Wealth Management: Exploring the Role of AI and ML in Financial Planning. European Economic Letters (EEL), 13(5), 2028–2039. Retrieved from https://www.eelet.org.uk/index.php/journal/article/view/1514.

[77]. Chinta, U., & Goel, P. (2022). Optimizing Salesforce CRM for large enterprises: Strategies and best practices. International Journal of Creative Research Thoughts (IJCRT), 9(5), 282. https://doi.org/10.36676/irt

[78]. Amol Kulkarni, "Amazon Athena: Serverless Architecture and Troubleshooting," International Journal of Computer Trends and Technology, vol. 71, no. 5, pp. 57-61, 2023. Crossref, https://doi.org/10.14445/22312803/IJCTT-V71I5P110

[79]. Mahadik, S., Chinta, U., Bhimanapati, V. B. R., Goel, P., & Jain, A. (2023). Product roadmap planning in dynamic markets. Innovative Research Thoughts, 9(5), 282. https://doi.org/10.36676/irt

[80]. Chinta, U., Aggarwal, A., & Jain, S. (2020). Risk management strategies in Salesforce project delivery: A case study approach. Innovative Research Thoughts, 7(3).

[81]. Ghavate, N. (2018). An Computer Adaptive Testing Using Rule Based. Asian Journal For Convergence In Technology (AJCT) ISSN -2350-1146, 4(I). Retrieved from http://asianssr.org/index.php/ajct/article/view/443

[82]. Shanbhag, R. R., Dasi, U., Singla, N., Balasubramanian, R., & Benadikar, S. (2020). Overview of cloud computing in the process control industry. International Journal of Computer Science and Mobile Computing, 9(10), 121-146. https://www.ijcsmc.com

[83]. Benadikar, S. (2021). Developing a scalable and efficient cloud-based framework for distributed machine learning. International Journal of Intelligent Systems and Applications in Engineering, 9(4), 288. Retrieved from https://ijisae.org/index.php/IJISAE/article/view/6761

[84]. Shanbhag, R. R., Benadikar, S., Dasi, U., Singla, N., & Balasubramanian, R. (2022). Security and privacy considerations in cloud-based big data analytics. Journal of Propulsion Technology, 41(4), 62-81.

[85]. Shanbhag, R. R., Balasubramanian, R., Benadikar, S., Dasi, U., & Singla, N. (2021). Developing scalable and efficient cloud-based solutions for ecommerce platforms. International Journal of Computer Science and Engineering (IJCSE), 10(2), 39-58. http://www.iaset.us/archives?jname=14_2&year=2021&submit=Search

[86]. Amol Kulkarni. (2023). Supply Chain Optimization Using AI and SAP HANA: A Review. International Journal of Research Radicals in Multidisciplinary Fields, ISSN: 2960-043X, 2(2), 51–57. Retrieved from https://www.researchradicals.com/index.php/rr/article/view/81

[87]. Shanbhag, R. R. (2023). Accountability frameworks for autonomous AI decision-making systems. International Journal on Recent and Innovation Trends in Computing and Communication, 11(3), 565-569.

[88]. Ugandhar Dasi. (2024). Developing A Cloud-Based Natural Language Processing (NLP) Platform for Sentiment Analysis and Opinion Mining of Social Media Data. International Journal of Intelligent Systems and Applications in Engineering, 12(22s), 165–174. Retrieved from https://ijisae.org/index.php/IJISAE/article/view/6406

[89]. Shanbhag, R. R., Benadikar, S., Dasi, U., Singla, N., & Balasubramanian, R. (2024). Investigating the application of transfer learning techniques in cloud-based AI systems for improved performance and reduced training time. Letters in High Energy Physics, 202431. https://lettersinhighenergyphysics.com/index.php/LHEP/article/view/551

[90]. Rishabh Rajesh Shanbhag, Rajkumar Balasubramanian, Ugandhar Dasi, Nikhil Singla, & Siddhant Benadikar. (2022). Case Studies and Best Practices in Cloud-Based Big Data Analytics for Process Control. International Journal for Research Publication and Seminar, 13(5), 292–311. https://doi.org/10.36676/jrps.v13.i5.1462

[91]. https://jrps.shodhsagar.com/index.php/j/article/view/1462

[92]. Ugandhar Dasi, Nikhil Singla, Rajkumar Balasubramanian, Siddhant Benadikar, Rishabh Rajesh Shanbhag. (2024). Analyzing the Security and Privacy Challenges in Implementing Ai and Ml Models in Multi-Tenant Cloud Environments. International Journal of Multidisciplinary Innovation and Research Methodology, ISSN: 2960-2068, 3(2), 262–270. Retrieved from https://ijmirm.com/index.php/ijmirm/article/view/108

[93]. Amol Kulkarni "Natural Language Processing for Text Analytics in SAP HANA" International Journal of Multidisciplinary Innovation and Research Methodology (IJMIRM), ISSN: 2960-2068,Volume 3, Issue 2, 2024.https://ijmirm.com/index.php/ijmirm/article/view/93

[94]. Nikhil Singla. (2023). Assessing the Performance and Cost-Efficiency of Serverless Computing for Deploying and Scaling AI and ML Workloads in the Cloud. International Journal of Intelligent Systems and Applications in Engineering, 11(5s), 618–630. Retrieved from https://ijisae.org/index.php/IJISAE/article/view/6730

[95]. Tripathi, A. (2020). AWS serverless messaging using SQS. IJIRAE: International Journal of Innovative

Research in Advanced Engineering, 7(11), 391-393.
[96]. Tripathi, A. (2019). Serverless architecture patterns: Deep dive into event-driven, microservices, and serverless APIs. International Journal of Creative Research Thoughts (IJCRT), 7(3), 234-239. Retrieved from http://www.ijcrt.org
[97]. Tripathi, A. (2023). Low-code/no-code development platforms. International Journal of Computer Applications (IJCA), 4(1), 27–35. Retrieved from https://iaeme.com/Home/issue/IJCA?Volume=4&Issue=1
[98]. Tripathi, A. (2024). Unleashing the power of serverless architectures in cloud technology: A comprehensive analysis and future trends. IJIRAE: International Journal of Innovative Research in Advanced Engineering, 11(03), 138-146.
[99]. Tripathi, A. (2024). Enhancing Java serverless performance: Strategies for container warm-up and optimization. International Journal of Computer Engineering and Technology (IJCET), 15(1), 101-106.
[100]. Tripathi, A. (2022). Serverless deployment methodologies: Smooth transitions and improved reliability. IJIRAE: International Journal of Innovative Research in Advanced Engineering, 9(12), 510-514.
[101]. Tripathi, A. (2022). Deep dive into Java tiered compilation: Performance optimization. International Journal of Creative Research Thoughts (IJCRT), 10(10), 479-483. Retrieved from https://www.ijcrt.org
[102]. Amol Kulkarni "Digital Transformation with SAP Hana", International Journal on Recent and Innovation Trends in Computing and Communication ISSN: 2321-8169, Volume: 12Issue: 1, 2024, Available at: https://ijritcc.org/index.php/ijritcc/article/view/10849
[103]. Krishnateja Shiva. (2022). Leveraging Cloud Resource for Hyperparameter Tuning in Deep Learning Models. International Journal on Recent and Innovation Trends in Computing and Communication, 10(2), 30–35. Retrieved from https://www.ijritcc.org/index.php/ijritcc/article/view/10980
[104]. Pradeep Etikani. (2023). Automating Machine Learning Workflows with Cloud-Based Pipelines. International Journal of Intelligent Systems and Applications in Engineering, 11(1), 375 –. Retrieved from https://ijisae.org/index.php/IJISAE/article/view/6722
[105]. Vijaya Venkata Sri Rama Bhaskar, Akhil Mittal, Santosh Palavesh, Krishnateja Shiva, Pradeep Etikani. (2020). Regulating AI in Fintech: Balancing Innovation with Consumer Protection. European Economic Letters (EEL), 10(1). https://doi.org/10.52783/eel.v10i1.1810
[106]. https://www.eelet.org.uk/index.php/journal/article/view/1810
[107]. Krishnateja Shiva, Pradeep Etikani, Vijaya Venkata Sri Rama Bhaskar, Savitha Nuguri, Arth Dave. (2024). Explainable Ai for Personalized Learning: Improving Student Outcomes. International Journal of Multidisciplinary Innovation and Research Methodology, ISSN: 2960-2068, 3(2), 198–207. Retrieved from https://ijmirm.com/index.php/ijmirm/article/view/100
[108]. Nitin Prasad. (2022). Security Challenges and Solutions in Cloud-Based Artificial Intelligence and Machine Learning Systems. International Journal on Recent and Innovation Trends in Computing and Communication, 10(12), 286–292. Retrieved from https://www.ijritcc.org/index.php/ijritcc/article/view/10750
[109]. Sravan Kumar Pala, "Synthesis, characterization and wound healing imitation of Fe3O4 magnetic nanoparticle grafted by natural products", Texas A&M University - Kingsville ProQuest Dissertations Publishing, 2014. 1572860.Available online at: https://www.proquest.com/openview/636d984c6e4a07d16be2960caa1f30c2/1?pq-origsite=gscholar&cbl=18750
[110]. Credit Risk Modeling with Big Data Analytics: Regulatory Compliance and Data Analytics in Credit Risk Modeling. (2016). International Journal of Transcontinental Discoveries, ISSN: 3006-628X, 3(1), 33-39.Available online at: https://internationaljournals.org/index.php/ijtd/article/view/97
[111]. Jigar Shah , Joel lopes , Nitin Prasad , Narendra Narukulla , Venudhar Rao Hajari , Lohith Paripati. (2023). Optimizing Resource Allocation And Scalability In Cloud-Based Machine Learning Models. Migration Letters, 20(S12), 1823–1832. Retrieved from https://migrationletters.com/index.php/ml/article/view/10652
[112]. Big Data Analytics using Machine Learning Techniques on Cloud Platforms. (2019). International Journal of Business Management and Visuals, ISSN: 3006-2705, 2(2), 54-58. https://ijbmv.com/index.php/home/article/view/76
[113]. Lohith Paripati. (2024). Edge Computing for AI and ML: Enhancing Performance and Privacy in Data Analysis . International Journal on Recent and Innovation Trends in Computing and Communication, 12(2), 445–454. Retrieved from https://www.ijritcc.org/index.php/ijritcc/article/view/10848
[114]. Arth Dave, Lohith Paripati, Narendra Narukulla, Venudhar Rao Hajari, & Akshay Agarwal. (2024). Cloud-Based Regulatory Intelligence Dashboards: Empowering Decision-Makers with Actionable Insights. Innovative Research Thoughts, 10(2), 43–50. Retrieved from https://irt.shodhsagar.com/index.php/j/article/view/1272
[115]. Narukulla, N., Lopes, J., Hajari, V. R., Prasad, N., & Swamy, H. (2021). Real Time Data Processing and Predictive Analytics Using Cloud Based Machine Learning. Tuijin Jishu/Journal of Propulsion Technology, 42(4), 91-102. https://www.propulsiontechjournal.com/index.php/journal/article/view/6757
[116]. Prasad, N., Narukulla, N., Hajari, V. R., Paripati, L., & Shah, J. (2020). AI-driven data governance framework for cloud-based data analytics. Volume, 17(2), 1551-1561.

[117]. https://www.webology.org/abstract.php?id=5212
[118]. Lohith Paripati, Venudhar Rao Hajari, Narendra Narukulla, Nitin Prasad, Jigar Shah, & Akshay Agarwal. (2024). Ethical Considerations in AI-Driven Predictive Analytics: Addressing Bias and Fairness Issues. Darpan International Research Analysis, 12(2), 34–50. Retrieved from https://dira.shodhsagar.com/index.php/j/article/view/40
[119]. Shah, J., Narukulla, N., Hajari, V. R., Paripati, L., & Prasad, N. (2021). Scalable machine learning infrastructure on cloud for large-scale data processing. Tuijin Jishu/Journal of Propulsion Technology, 42(2), 45-53. https://propulsiontechjournal.com/index.php/journal/article/view/7166
[120]. Sravan Kumar Pala, "Detecting and Preventing Fraud in Banking with Data Analytics tools like SASAML, Shell Scripting and Data Integration Studio", IJBMV, vol. 2, no. 2, pp. 34–40, Aug. 2019. Available: https://ijbmv.com/index.php/home/article/view/61
[121]. Lohith Paripati, Venudhar Rao Hajari, Narendra Narukulla, Nitin Prasad, Jigar Shah, & Akshay Agarwal. (2024). AI Algorithms for Personalization: Recommender Systems, Predictive Analytics, and Beyond. Darpan International Research Analysis, 12(2), 51–63. Retrieved from https://dira.shodhsagar.com/index.php/j/article/view/41
[122]. Arth Dave, Lohith Paripati, Venudhar Rao Hajari, Narendra Narukulla, & Akshay Agarwal. (2024). Future Trends: The Impact of AI and ML on Regulatory Compliance Training Programs. Universal Research Reports, 11(2), 93–101. Retrieved from https://urr.shodhsagar.com/index.php/j/article/view/1257
[123]. Arth Dave, Lohith Paripati, Narendra Narukulla, Venudhar Rao Hajari, & Akshay Agarwal. (2024). Cloud-Based Regulatory Intelligence Dashboards: Empowering Decision-Makers with Actionable Insights. Innovative Research Thoughts, 10(2), 43–50. Retrieved from https://irt.shodhsagar.com/index.php/j/article/view/1272
[124]. Paripati, L., Prasad, N., Shah, J., Narukulla, N., & Hajari, V. R. (2021). Blockchain-enabled data analytics for ensuring data integrity and trust in AI systems. International Journal of Computer Science and Engineering (IJCSE), 10(2), 27–38. ISSN (P): 2278–9960; ISSN (E): 2278–9979
[125]. Sravan Kumar Pala, "Implementing Master Data Management on Healthcare Data Tools Like (Data Flux, MDM Informatica and Python)", IJTD, vol. 10, no. 1, pp. 35–41, Jun. 2023. Available: https://internationaljournals.org/index.php/ijtd/article/view/53
[126]. Narukulla, N., Lopes, J., Hajari, V. R., Prasad, N., & Swamy, H. (2021). Real-time data processing and predictive analytics using cloud-based machine learning. Tuijin Jishu/Journal of Propulsion Technology, 42(4), 91-102
[127]. https://scholar.google.com/scholar?oi=bibs&cluster=13344037983257193364&btnI=1&hl=en
[128]. Dave, A., Etikani, P., Bhaskar, V. V. S. R., & Shiva, K. (2020). Biometric authentication for secure mobile payments. Journal of Mobile Technology and Security, 41(3), 245-259. https://scholar.google.com/scholar?cluster=14288387810978696146&hl=en&oi=scholarr
[129]. Joel lopes, Arth Dave, Hemanth Swamy, Varun Nakra, & Akshay Agarwal. (2023). Machine Learning Techniques And Predictive Modeling For Retail Inventory Management Systems. Educational Administration: Theory and Practice, 29(4), 698–706. https://doi.org/10.53555/kuey.v29i4.5645
[130]. https://kuey.net/index.php/kuey/article/view/5645
[131]. Shiva, K., Etikani, P., Bhaskar, V. V. S. R., Palavesh, S., & Dave, A. (2022). The Rise Of Robo-Advisors: Ai-Powered Investment Management For Everyone. Journal of Namibian Studies, 31, 201-214. https://scholar.google.com/citations?view_op=view_citation&hl=en&user=Xxl9XwQAAAAJ&citation_for_view=Xxl9XwQAAAAJ:3fE2CSJIrl8C
[132]. SathishkumarChintala, Sandeep Reddy Narani, Madan Mohan Tito Ayyalasomayajula. (2018). Exploring Serverless Security: Identifying Security Risks and Implementing Best Practices. International Journal of Communication Networks and Information Security (IJCNIS), 10(3). Retrieved from https://www.ijcnis.org/index.php/ijcnis/article/view/7543
[133]. Arth Dave, Lohith Paripati, Venudhar Rao Hajari, Narendra Narukulla, & Akshay Agarwal. (2024). Future Trends: The Impact of AI and ML on Regulatory Compliance Training Programs. Universal Research Reports, 11(2), 93–101. Retrieved from https://urr.shodhsagar.com/index.php/j/article/view/1257
[134]. Shiva, K., Etikani, P., Bhaskar, V. V. S. R., Mittal, A., Dave, A., Thakkar, D., ... & Munirathnam, R. (2024). Anomaly Detection in Sensor Data with Machine Learning: Predictive Maintenance for Industrial Systems. Journal of Electrical Systems, 20(10s), 454-461.https://search.proquest.com/openview/04c95e36f469668009c15b4bd6be4bfd/1?pq-origsite=gscholar&cbl=4433095
[135]. Kanchetti, D., Munirathnam, R., & Thakkar, D. (2024). Integration of Machine Learning Algorithms with Cloud Computing for Real-Time Data Analysis. Journal for Research in Applied Sciences and Biotechnology, 3(2), 301–306. https://doi.org/10.55544/jrasb.3.2.46
[136]. Thakkar, D., & Kumar, R. (2024). AI-Driven Predictive Maintenance for Industrial Assets using Edge Computing and Machine Learning. Journal for Research in Applied Sciences and Biotechnology, 3(1), 363–367. https://doi.org/10.55544/jrasb.3.1.55

[137]. Thakkar, D. (2021). Leveraging AI to transform talent acquisition. International Journal of Artificial Intelligence and Machine Learning, 3(3), 7. https://www.ijaiml.com/volume-3-issue-3-paper-1/

[138]. Narani, Sandeep Reddy, Madan Mohan Tito Ayyalasomayajula, and SathishkumarChintala. "Strategies For Migrating Large, Mission-Critical Database Workloads To The Cloud." Webology (ISSN: 1735-188X) 15.1 (2018).

[139]. Chintala, Sathishkumar. "Optimizing Data Engineering for High-Frequency Trading Systems: Techniques and Best Practices.", 2022

[140]. Thakkar, D. (2020, December). Reimagining curriculum delivery for personalized learning experiences. International Journal of Education, 2(2), 7. Retrieved from https://iaeme.com/Home/article_id/IJE_02_02_003

[141]. Kanchetti, D., Munirathnam, R., & Thakkar, D. (2019). Innovations in workers compensation: XML shredding for external data integration. Journal of Contemporary Scientific Research, 3(8). ISSN (Online) 2209-0142.

[142]. Thakkar, D., Kanchetti, D., & Munirathnam, R. (2022). The transformative power of personalized customer onboarding: Driving customer success through data-driven strategies. Journal for Research on Business and Social Science, 5(2)