Dr. Jyoti Shetty

Journal Publications

1. Arya Adesh, Shobha G, Jyoti Shetty, Lili Xu, "Local outlier factor for anomaly detection in HPCC systems", Journal of Parallel and Distributed Computing, Volume 192, 2024, 104923, ISSN 0743-7315, https://doi.org/10.1016/j.jpdc.2024.104923. **(SCIE Indexed)**

2. Joseph, K.; Shetty, J.; Sharma, A.K.; van Staden, R.; Wasantha, P.L.P.; Small, S.; Bennett, N. Leak and Burst Detection in Water Distribution Network Using Logic- and Machine Learning-Based Approaches. Water 2024, 16, 1935. https://doi.org/10.3390/w16141935. **(SCIE Indexed)**

3. Jyoti Shetty and G. Shobha, "Handling Class Imbalance in Google Cluster Dataset Using a New Hybrid Sampling Approach," Journal of Advances in Information Technology, Vol. 14, No. 5, pp. 934-940, 2023.

4. Mayank Agarwal, Abhay H. Kashyap, G. Shobha, Jyothi Shetty, and Roger Dev, "Causal Inference and Conditional Independence Testing with RCoT ", Journal of Advances in Information Technology, Vol. 14, No. 3, 2023 pp. 495-500.

5. Maheshwari, R., Sriram Praveen, V. A., Shobha, G., Shetty, J., Chala, A., & Watanuki, H. (2023). Illicit activity detection in bitcoin transactions using timeseries analysis. *International Journal of Advanced Computer Science and Applications, 14*(3) doi:https://doi.org/10.14569/IJACSA.2023.0140302

6. Jyoti Shetty, Karthik Cottur, G. Shobha, and Y. R. Prajwal, " A Weighted Ensemble of VAR and LSTM for Multivariate Forecasting of Cloud Resource Usage ", Journal of Advances in Information Technology, Vol. 14, No. 2, 2023, pp 264-270.

7. Pasha Syed, Abdu Rehaman, Rahul Anbalagan, Anagha S. Setlur, Chandrashekar Karunakaran, Jyoti Shetty, Jitendra Kumar, and Vidya Niranjan. "Implementation of ensemble machine learning algorithms on exome datasets for predicting early diagnosis of cancers." *BMC bioinformatics* 23, no. 1 (2022): 1-24. **(SCIE Indexed)**

8. Cummaragunta SN, Srinandan KS, Shetty J, "Wrong side driving detection", Int. J. Technol. Emerg. Sci. 2022; 2(3): 5-9.

9. Yatish, HR; Shubham, Milind Phal; Hukkeri, Tanmay Sanjay; Xu, Lili; Shobha, G; Shetty, Jyoti; Chala, Arjuna; ,Massively scalable density based clustering (DBSCAN) on the HPCC systems big data platform, IAES International Journal of Artificial Intelligence,10,1,207,2021.

10. Karthik, Ambu; Shetty, Jyoti; Shobha, G; Dev, Roger; ,Implementation of generative adversarial networks in HPCC systems using GNN bundle,IAES International Journal of Artificial Intelligence,10,2,374,2021.

11. Bhadauria, Anurag Singh; Bain, Atreya; Shetty, Jyoti; Shobha, G; Chala, Arjuna; Clements, Jeremy; ,Design and Implementation of HSQL: A SQL-like language for Data Analysis in Distributed Systems,International Journal of Advanced Computer Science and Applications,12,11,,2021.

12. Prapulla, SB; Shetty, Jyoti; Kulkarni, Vinay A; Subramanya, KN; Uma, BV; Kumar, P Ramakanth; Shobha, G; ,Design and Analysis of an Online Course

using Moodle Platform,Journal of Engineering Education Transformations,33,,270-274,2020.

13. Shetty, Jyoti; Babu, B Sathish; Shobha, G; ,Proactive cloud service assurance framework for fault remediation in cloud environment.,International Journal of Electrical & Computer Engineering (2088-8708),10,1,,2020.

14. A Sudarshan, S Dirisam, J Shetty, GRS NS; ,Review of Protocols used in Enterprise Networks,International Journal of Engineering Research & Technology,8,5,53-56,2019.

15. Shetty, Jyoti; Upadhaya, Sahana; Rajarajeshwari, HS; Shobha, G; Chandra, Jayant; ,An empirical performance evaluation of docker container, openstack virtual machine and bare metal server,Indonesian Journal of Electrical Engineering and Computer Science,7,1,205-213,2017.

16. Sahana Upadhya, Jyoti Shetty, Raja Rajeshwari H S, Dr. G Shobha; ,A State-of-Art Review of Docker Container Security Issues and Solutions,American International Journal of Research in Science, Technology, Engineering & Mathematics,17,1,33-36,2017.

17. Shetty, Jyoti; Anala, MR; Shobha, G; ,An approach to secure access to cloud storage service,International Journal of Research,2,1,364-368,2015.

18. Ankush Sharma, Jyoti Shetty; ,Advanced Medical Image Viewer for X-Ray Images,International Journal of Innovative Technology and Research,,,,2015.

19. Jyoti Shetty, Shobha G, Anala M R; ,A State-of-art Comparison of Opensource IaaS Cloud Softwares,American International Journal of Research in Science, Technology, Engineering & Mathematics,10,1,26-30,2015.

20. Jyoti shetty, Anala M R, Shobha G; ,A Study on Cloud Forensics: Challenges, Tools and CSP Features,CiiT, Biometrics and Bioinformatics,6,6,149-153,2014.

21. Shetty, Jyoti; Anala, MR; Shobha, G; ,A Survey on Techniques of Secure Live Migration of Virtual Machine.,International Journal of Computer Applications,39,2012.

List of International Conference publications

1. A. A. Pai, M. M, D. Giridhar, S. Thomas, J. Shetty and S. G, "Semantic Type Detection or Unlabelled Dataset," *2024 IEEE International Conference for Women in Innovation, Technology & Entrepreneurship (ICWITE)*, Bangalore, India, 2024, pp. 611-617, doi: 10.1109/ICWITE59797.2024.10503084.

2. V. R. P and J. Shetty, "TicketTrace: Intelligent High Parity Ticket Detection Through Deep Learning Techniques," *2023 7th International Conference on Computation System and Information Technology for Sustainable Solutions (CSITSS)*, Bangalore, India, 2023, pp. 1-6, doi: 10.1109/CSITSS60515.2023.10334156.

3. Surya, Y., J. Shetty et al. "Auto-Detection of Field-Level Dependencies in Data Workflow on a Distributed Platform." *International conference on soft computing for problem-solving*. Singapore: Springer Nature Singapore, 2023.

4. Sharan, Sarthak, J. Shetty et al. "Analyzing Blockchain Data to Detect Bitcoin Addresses Involved in Illicit Activities Using Anomaly Detection." *International Conference on Data Science and Applications.*

Singapore: Springer Nature Singapore, 2023.

5. Dasu, S. G and J. Shetty, "Analysis of the Surface Water Quality in the State of Karnataka using Distributed Platform," *2023 9th International Conference on Advanced Computing and Communication Systems (ICACCS)*, Coimbatore, India, 2023, pp. 284-287, doi: 10.1109/ICACCS57279.2023.10112732.

6. A. Anand, M. Hariprasad, N. Dey, S. S, J. Shetty and S. G, "Examining Deep Learning Methods For The Detection Of Sepsis," 2022 6th International Conference On Computing, Communication, Control And Automation (ICCUBEA, Pune, India, 2022, pp. 1-6, doi: 10.1109/ICCUBEA54992.2022.10010584.

7. Karthik, Ambu; Mishra, Harsh; Jayanth, S; Shobha, G; Shetty, Jyoti; ,Performance Skew Prediction in HPCC Systems,2022 12th International Conference on Cloud Computing, Data Science & Engineering (Confluence), ,94-97,2022.

8. Jenni, Varsha R; Dua, Akhil; Shobha, G; Shetty, Jyoti; Dev, Roger; ,Hybrid Density-based Adaptive Clustering using Gaussian Kernel and Grid Search,2021 International Conference on Recent Trends on Electronics, Information, Communication & Technology (RTEICT),221-226,2021.

9. Thejas, BU; Dhulkhed, Sreedhar S; Shetty, Jyoti; Swamy, Shantha Ranga; ,Poverty Detection using Satellite Imagery,2021 Fifth International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud)(I-SMAC),1293-1298,2021.

10. Shourya, TR; Gowthami, T; Mangal, Mayank; Panda, Meghna; Sunanda, C; Shetty, Jyoti; ,Collaborative Filtering Techniques for Recency Frequency Monetary Analysis,2020 Second International Conference on Inventive Research in Computing Applications (ICIRCA),520-524,2020.

11. Mishra, Harsh; Chala, Arjuna; Camper, Dan; Shetty, Jyoti; ,Data Skew Profiling using HPCC Systems,Proceedings of the 2019 International Conference on Big Data and Education,66-69,2019.

12. Shetty, Jyoti; Sajjan, Rahul; Shobha, G; ,Task resource usage analysis and failure prediction in cloud,2019 9th International Conference on Cloud Computing, Data Science & Engineering (Confluence),342-348,2019.

13. Vardhan, KS Amogh; Jakaraddi, Manjunath; Shobha, G; Shetty, Jyoti; Chala, Arjuna; Camper, Dan; ,Design and development of iot plugin for hpcc systems,2019 IEEE 4th International Conference on Big Data Analytics (ICBDA),,,158-162,2019.

14. Prasad, Akshar; Dev, Roger; Shobha, G; Shetty, Jyothi; ,Machine Learning Techniques to Detect Fraud in Credit Cards on the HPCC Systems Platform,2019 4th International Conference on Computational Systems and Information Technology for Sustainable Solution (CSITSS),4,44568,2019.

15. Hukkeri, Tanmay Sanjay; Phal, Shubham Milind; Shetty, Jyothi; Mohammed, Naweed; ,Massively Scalable Image Processing on the HPCC Systems Big Data Platform,Proceedings of the 3rd International Conference on Software Engineering and Information Management,26-31,2020.

16. Sathvik, KR; Shobha, G; Shetty, Jyoti; Camper, Dan; ,Design and Implementation of Octave Plugin for HPCC Systems,2019 4th International Conference on Computational Systems and Information Technology for Sustainable Solution (CSITSS),4,,44566,2019.

17. Suryanarayanan, A; Chala, Arjuna; Xu, Lili; Shobha, G; Shetty, Jyoti; Dev, Roger; ,Design and Implementation of Machine Learning Evaluation Metrics on HPCC Systems,2019 4th International Conference on Computational Systems and Information Technology for Sustainable Solution (CSITSS),4,,44568,2019.

18. Shetty, Jyoti; Shobha, G; ,An ensemble of automatic algorithms for forecasting resource utilization in cloud,2016 Future Technologies Conference (FTC),301-306,2016.

19. Sushma, M; Niroop, RS; Shetty, Jyothi; ,A lightweight performance measurement framework for a Virtual Machine on cloud,2016 International Conference on Computation System and Information Technology for Sustainable Solutions (CSITSS),404-408,2016.

20. Sandeep, KB; Raghavendra, M; Shetty, K Jyoti; ,Performance analyzer: An approach for performance analysis of enterprise servers,2016 IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT),,,480-484,2016.

21. Shetty, Jyothi; Saxena, Shiva; Shobha, G; Rastogi, Jagat; ,Monitoring OpenStack Services Using Nagios, Emerging Research in Computing, Information, Communication and Applications,485-495,2015.

22. Anchalia, Prajesh P; Gupta, Pracheta; Shetty, Jyoti; ,A customized dashboard for vm provisioning using openstack,2015 7th International Conference on Computational Intelligence, Communication Systems and Networks,,,177-182,2015.

23. Anala, MR; Shetty, Jyoti; Shobha, G; ,A framework for secure live migration of virtual machines,2013 International Conference on Advances in Computing, Communications and Informatics (ICACCI),243-248,2013.