DR. JAYTRILOK CHOUDHARY

Personal Details

Name	**:**	**Dr. Jaytrilok Choudhary** Associate Professor, CSE department, Maulana Azad National Institute of Technology (MANIT) – Bhopal(M.P)
Email	**:**	jaytrilok@manit.ac.in; jaytrilok@gmail.com;
Address (residential)	**:**	6/65, MANIT Campus, Bhopal(M.P.)
Address(office)	**:**	Department of CSE, MANIT Bhopal, Bhopal(MP)
Phone No.	**:**	+91-9201104151; +91-7389921699

Qualification Details (from Graduation onwards)

Degree	Year of Award	University	Institution	% of Marks
B.E.(IT)	2005	RGPV Bhopal	MITM Indore	74%
M.Tech. (CSE)	2009	IIT Roorkee	IIT Roorkee	8.16 CGPA
PhD(CSE)	2015	MANIT Bhopal	MANIT Bhopal	--

Experience Details

Designation	**Period**		**Organization**
	From	**To**	
Associate Professor	January 2024	Till Date	MANIT Bhopal
Assistant Professor	June 2010	December 2023	MANIT Bhopal
Assistant Professor	Febuary 2010	May 2010	JUIT Guna
Senior Lecturer	September 2009	Febuary 2010	SVCE Indore
Lecturer	January 2006	July 2007	RIT Indore

Research Area

- Parallel processing, Data Mining, Web Mining and Information Retrieval.

Research Projects

Title	Sponsoring Agency	Duration	Amount
Development of Odour Based System for Real Time Measurement of Purity and Quality of Mustard Oil	National Research Development Corporation	1 Year	5.5 Lakhs

Achievements

1. Best Faculty Award 2K16 in Bhopal by CII (Confederation of Indian Industries)

2. GATE CSE AIR Rank 203 in 2007 and AIR Rank 242 in 2010

Programmed Participation Details

1. Workshop and Training Program attended	25+
2. Expert lecture Delivered	50+

Professional Membership

1. IEEE
2. ACM

Additional Responsibility

1. Associate Dean ID & IR
2. Professor In-charge Student Welfare IIIT Bhopal
3. Coordinator of ACM ICPC
4. Member of DPPC committee
5. PG Coordinator Information Security
6. Faculty Coordinator Institute Officer's Club
7. Temporary Faculty Coordinator

Outreach Activity

1. Coordinator of Government Achievement EXPO 2024
2. Coordinator of Empowering India 2024
3. Member of Board of Studies (BOS) JLU, Bhopal
4. External Examiner, JLU Bhopal
5. Micro observer, Election 2024(Lok Sabha)
6. Observer NTA (JEE mains, NEET, NET)

Paper Publication Details

1. **International Journals**

[1] Rahul Haripriya , Nilay Khare , Manish Pandey , Jaytrilok Choudhary Dhirendra Pratap Singh , and Sumit Gupta "Privacy-preserving federated analytics for digital marketing using adaptive weighted aggregation", Cluster Computing 29, 380 (2026). https://doi.org/10.1007/s10586-026-06206-6.

[2] Vinod Mahor, Jaytrilok Choudhary and Dhirendra Pratap Singh, " "TAPBViT: Temporal-Aware Partial Binarized Vision Transformer for Suspicious Activity Recognition," in IEEE Signal Processing Letters, doi: 10.1109/LSP.2026.3690693.

[3] Praveen Likhar, Sumit Kumar Gupta, Jaytrilok Choudhary & Dhirendra Pratap Singh. "Delving deep: DDoS attack resilience through deep learning approaches". Knowledge and Information Systems, 68, 19 (2026). https://doi.org/10.1007/s10115-025-02651-8.

[4] Nikhil Nigam, Dhirendra Pratap Singh, Jaytrilok Choudhary, "Improved Twin Actor Twin Delayed Deep Deterministic Policy Gradient with Spatial Occupancy for Traffic Signal Control System," Concurrency and Computation: Practice and Experience, 38, no. 1 (2026): e70464, https://doi.org/10.1002/cpe.70464,

[5] Madhvi Patel, Pranay Deepak Reddy Vaka, Dhirendra Pratap Singh, Jaytrilok Choudhary & Surendra Solanki, "Enhanced image captioning with advanced context-aware object relational model". Discover Computing 28, 337 (2025). https://doi.org/10.1007/s10791-025-09839-0

[6] Rahul Haripriya; Nilay Khare; Manish Pandey; Shrijal Patel; Jaytrilok Choudhary; Dhirendra Pratap Singh", Optimising Fault tolerance and Latency of Federated learning using Edge Servers and Pre-trained model, in IEEE Access, doi: 10.1109/ACCESS.2025.3607738 2025

[7] Nikhil Nigam, Dhirendra Pratap Singh, Jaytrilok Choudhary, "An Efficient Model for Real-Time Traffic Density Analysis and Management Using Visual Graph Networks," in *IEEE Access*, doi: 10.1109/ACCESS.2025.3593136.

[8] Nigam, Nikhil, Dhirendra Pratap Singh, Jaytrilok Choudhary, and Surendra Solanki. "PVD-GSTPS: design of an efficient parallel vehicle detection based green signal time prediction system." Discover Computing 28, no. 1 (2025): 1-32.

[9] Haripriya, Rahul, Nilay Khare, Manish Pandey, Shrijal Patel, Jaytrilok Choudhary, Dhirendra Pratap Singh, Surendra Solanki, and Duansh Sharma. "FWFA: Fairness-Weighted Federated Aggregation for Privacy-Aware Decision Intelligence." IEEE Access (2025).

[10] Maurya, Ankita, Rahul Haripriya, Manish Pandey, Jaytrilok Choudhary, Dhirendra Pratap Singh, Surendra Solanki, and Duansh Sharma. "Federated Learning for Privacy-Preserving Severity Classification in Healthcare: A Secure Edge-Aggregated Approach." IEEE Access (2025).

[11] Kushwaha, Mohit, Jaytrilok Choudhary, and Dhirendra Pratap Singh. "Reconstruction of a realistic 3D human model from a single 2D image." Procedia Computer Science 260 (2025): 701-707.
[12] Nigam, Nikhil, Dhirendra Pratap Singh, and Jaytrilok Choudhary. "Real-Time Traffic Spatial Occupancy Calculation with Modified YOLOv3 in Complex Environments." Procedia Computer Science 260 (2025): 717-724.
[13] Mahor, Vinod, Jaytrilok Choudhary, and Dhirendra Pratap Singh. "Analysis of Human-Based Suspicious Activity Using Bidirectional Long Sort Term Memory (Bi-LSTM)." Procedia Computer Science 260 (2025): 725-733.
[14] Sinha, Rajesh Kumar, Mohit Kushwaha, Jaytrilok Choudhary, Dhirendra Pratap Singh, and Manish Pandey. "The use of UAV for the Identification of Flooded and Non-Flooded Region in Post Flood Scenarios using Deep Learning Techniques." Procedia Computer Science 260 (2025): 533-539.
[15] Pal, Manasi, Kushwaha, Mohit, Jaytrilok Choudhary, Manish Pandey, and Dhirendra Pratap Singh. "Enhancing Forest Image Segmentation in Aerial Images using Deep Learning." Procedia Computer Science 258 (2025): 2760-2766.
[16] Shakya, Vandana, Jaytrilok Choudhary, and Dhirendra Pratap Singh. "Deep Learning based Intrusion Detection System for WSN." Procedia Computer Science 258 (2025): 2101-2106.
[17] Kushwaha, Mohit, Jaytrilok Choudhary, and Dhirendra Pratap Singh. "3DPSR: An innovative approach for pose and shape refinement in 3D human meshes from a single 2D image." Image and Vision Computing 152 (2024): 105311.
[18] Vandana Shakya, Jaytrilok Choudhary, and Dhirendra Pratap Singh, "IRADA: integrated reinforcement learning and deep learning algorithm for attack detection in wireless sensor networks", Multimedia Tools and Applications (2024). https://doi.org/10.1007/s11042-024-18289-7 (2024)
[19] Mohit Kushwaha, Jaytrilok Choudhary, Dhirendra Pratap Singh, "3DPMesh: An enhanced and novel approach for the reconstruction of 3D human meshes from a single 2D image", Computers & Graphics, Volume 119, 2024, 103894, ISSN 0097-8493, https://doi.org/10.1016/j.cag.2024.103894. (2024)
[20] Shakya, Vandana, Jaytrilok Choudhary, and Dhirendra Pratap Singh. "An advanced actor critic deep reinforcement learning technique for gamification of WiFi environment." Wireless Networks 30, no. 9 (2024): 7239-7256.
[21] Shakya, Vandana, Jaytrilok Choudhary, and Dhirendra Pratap Singh. "IRADA: integrated reinforcement learning and deep learning algorithm for attack detection in wireless sensor networks." Multimedia Tools and Applications 83, no. 28 (2024): 71559-71578.
[22] Nigam, Nikhil, Dhirendra Pratap Singh, and Jaytrilok Choudhary. 2023. "A Review of Different Components of the Intelligent Traffic Management System (ITMS)" Symmetry 15, no. 3: 583. https://doi.org/10.3390/sym15030583. (2023)
[23] Gaurav Jain, Dhirendra Pratap Singh and Jaytrilok Choudhary, "Flynet–Neural Network Model for Automatic Building Detection from Satellite Images", Journal of the Indian Society of Remote Sensing. DOI : 10.1007/s12524-023-01703-2. (2023)
[24] Sumit Kumar Gupta, Dhirendra Pratap Singh and Jaytrilok Choudhary, "New GPU Sorting Algorithm Using Sorted Matrix", ICMLDE, 2022. Procedia Computer Science, Volume 218, 2023, Pages 1682-1691, ISSN 1877-0509, https://doi.org/10.1016/j.procs.2023.01.146. (2023)
[25] Mohit Kushwaha, Jaytrilok Choudhary, Dhirendra Pratap Singh, "Enhancement of human 3D pose estimation using a novel concept of depth prediction with pose alignment from a single 2D image", Computers & Graphics, Volume 107, 2022, Pages 172-185. https://doi.org/10.1016/j.cag.2022.07.021.
[26] Gupta, S.K., Singh D.P., Jaytrilok Choudhary. "A review of clique-based overlapping community detection algorithms." Knowl Inf Syst (2022). https://doi.org/10.1007/s10115-022-01704-6
[27] Nandanwar, Amit Kumar, and Jaytrilok Choudhary. "Semantic Features with Contextual Knowledge-Based Web Page Categorization Using the GloVe Model and Stacked BiLSTM." Symmetry 13.10 (2021): 1772.
[28] Solanki, Surendra, Vasudev Dehalwar, and Jaytrilok Choudhary. "Deep learning for spectrum sensing in cognitive radio." Symmetry 13.1 (2021): 147.
[29] Amit Kumar Nandanwar, Jaytrilok Choudhary and Dhirendra Pratap Singh, "Web Search Personalization based on the Principle of the Ant Colony", Procedia Computer Science, Vol. 189, 2021, Pages 100-107. https://doi.org/10.1016/j.procs.2021.05.073.
[30] Amarja Indapwar, Prateek Dwivedi and Jaytrilok Choudhary, Sri Khetwat Saritha, Dhirendra Pratap

Singh, “Logo Detection System for Live Videos”, International Journal of Advanced Science and Technology, 29(9s),(2020):7455-7461.

[31] Thakur, Shailesh Kumar, Dhirendra Pratap Singh, and Jaytrilok Choudhary. "Lung cancer identification: a review on detection and classification." *Cancer and Metastasis Reviews* (2020): 1-10.

[32] Kumar, Amit, and Choudhary, Jaytrilok. “Web Page Categorization based on Images as Multimedia Visual Feature using Deep Convolution Neural Network”. *International Journal on Emerging Technologies* 11(3), (2020): 619-625.

[33] Temurnikar, Ankit, Verma, Pushpneel, and Choudhary, Jaytrilok. “Development of Multi-Hop Clustering ApproachFor Vehicular Ad-hoc”. *Network International Journal on Emerging Technologies.* (ISSN No. (Print): 0975-8364, (Online): 2249-3255)

[34] Ankit Temurnikar, Pushpneel Verma and Jaytrilok Choudhary, “Vehicular Ad-hoc Network Security and Data Transmission: Survey and Discussions”, Journal of Emerging Technologies and Innovative Research (JETIR) 2019.

[35] Choudhary, Jaytrilok, Deepak Singh Tomar, and Dhirendra Pratap Singh. "An Efficient Hybrid User Profile Based Web Search Personalization through Semantic Crawler." *National Academy Science Letters* 42, no. 2 (2019): 105-108.

[36] Choudhary, Jaytrilok, Padmanabhan Balasubramanian, Danny M. Varghese, Dhirendra Pratap Singh, and Douglas Maskell. "Generalized majority voter design method for N-modular redundant systems used in mission-and safety-critical applications." *Computers* 8, no. 1 (2019): 10.

[37] Singh, Dhirendra Pratap, Ishan Joshi, and Jaytrilok Choudhary. "Survey of GPU based sorting algorithms." *International Journal of Parallel Programming* 46, no. 6 (2018): 1017-1034.

[38] Choudhary, Jaytrilok, and Deepak Singh Tomar. "Semi-Automated Ontology building through Natural Language Processing." *Journal: Internation Journal Of Computers And Technology* 13, no. 8.

[39] Tiwari, Pradeep Kumar, Jaytrilok Chaudhary, and Deepak Singh Tomar. "A Survey on Semantic Web based E-learning." *International Journal of Computer Applications* 95, no. 21 (2014).

[40] Sirole, Tapan, and Jaytrilok Choudhary. "A survey of various methodologies for hiding sensitive association rules." *International Journal of Computer Applications* 96, no. 18 (2014).

[41] Arya, Himani, Jaytrilok Choudhary, and D. Singh Tomar. "A Survey on Techniques for Personalization of Web Search." *International Journal of Computer Applications* 94, no. 18 (2014): 36-41.

[42] Choudhary, Jaytrilok, and Devshri Roy. "Priority based semantic web crawler." *International Journal of Computer Applications* 81, no. 15 (2013): 10-13.

[43] Choudhary, Jaytrilok, and Devshri Roy. "Priority Based Focused Web Crawler." *International Journal of Computer Engineering and Technology* 4, no. 4 (2013): 163-169.

[44] Choudhary, Jaytrilok, and Devshri Roy. "An Approach to Build Ontology in Semi-Automated way." *Journal Of Information And Communication Technologies* 2, no. 5 (2012).

2. **Conference Publications**

[1] Siddharth Yadav, D. P. Singh, J. Choudhary and M. Pandey, "A Hybrid Kinematically Constrained Deep Learning Framework for Unsupervised Anomaly Detection in Geodetic Time-Series Data," 2026 IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI), Gwalior, India, 2026, pp. 1-6, doi: 10.1109/IATMSI68868.2026.11465515.

[2] Shivam Singh Srinet, Jaytrilok Choudhary, Manish Pandey, Dhirendra Pratap Singh & Vandana Shakya (2026). Hybrid GCN-CNN Model for Robust Deepfake Detection. In: Shrivastava, V., Bansal, J.C., Panigrahi, B.K. (eds) Power Engineering and Intelligent Systems. PEIS 2025. LECTURE NOTES IN ELECTRICAL ENGINEERING, vol 1461. Springer, Singapore. https://doi.org/10.1007/978-981-96-9724-3_17.

[3] Gouda, B., Singh, D.P., Pandey, M., Choudhary, J. (**2026**. In: Sharma, H., Bhatt, A., Modi, C.,

"EnsembleNet: An Approach to Monitor Urbanization via Remotely Sensed Images", Engelbrecht, A. (eds) Computer Vision and Robotics. CVR 2025. LECTURE NOTES IN NETWORKS AND SYSTEMS, vol 1771. Springer, Cham. https://doi.org/10.1007/978-3-032-14041-8_13.

[4] Goyal, A.K., Pandey, M., Singh, D.P., Choudhary, J., Haripriya, R. (2026). Collaborative and Privacy-Enhanced Medical Image Diagnosis Using Transfer Federated Learning. In: Uddin, M.S., Singh, D., Ganokratanaa, T., Kumawat, G. (eds) Proceedings of International Conference on Innovations in Data Science. ICIDS 2024. LECTURE NOTES IN NETWORKS AND SYSTEMS, vol 1367. Springer, Singapore. https://doi.org/10.1007/978-981-96-6329-3_15.

[5] Hada, M., Pandey, M., Singh, D.P., Choudhary, J., Haripriya, R. (2026). A Privacy-Preserving Approach for Clustering and Maintaining Healthcare Data Using Federated Learning Algorithms. In: Uddin, M.S., Singh, D., Ganokratanaa, T., Kumawat, G. (eds) Proceedings of International Conference on Innovations in Data Science. ICIDS 2024. LECTURE NOTES IN NETWORKS AND SYSTEMS, vol 1367. Springer, Singapore. https://doi.org/10.1007/978-981-96-6329-3_11.

[6] V. Shakya, J. Choudhary and D. P. Singh, "Enhancing Wireless Sensor Network Security Through Machine Learning-Driven Anomaly Detection," 2025 International Conference on Engineering Innovations and Technologies (ICoEIT), Bhopal, India, 2025, pp. 500-504, doi: 10.1109/ICoEIT63558.2025.11211789.

[7] Arya, Rajeshwar, Jaytrilok Choudhary, Manish Pandey, and Dhirendra Pratap Singh. "Advanced Semantic Segmentation of Flooded Regions in UAV Imagery Using a Modified U-Net Model." In 2025 IEEE International Students' Conference on Electrical, Electronics and Computer Science (SCEECS), pp. 1-6. IEEE, 2025.

[8] Pandey, Rajeev Ranjan, Dhirendra Pratap Singh, Jaytrilok Choudhary, and Nikhil Nigam. "Flood Risk Assessment of Bihar State of India using Sentinel-1 on Google Earth Engine." In 2025 IEEE International Students' Conference on Electrical, Electronics and Computer Science (SCEECS), pp. 1-5. IEEE, 2025.

[9] Nandanwar, Amit Kumar, Vinod Mahor, Jaytrilok Choudhary, Dhirendra Pratap Singh, Amit Gupta, and Gagan Vishwakarma. "Fake News Detection on Social Media Platforms Using Deep Learning Hybrid CNN-BiLSTM Technique." In 2025 IEEE International Students' Conference on Electrical, Electronics and Computer Science (SCEECS), pp. 1-5. IEEE, 2025.

[10] Ajagalla, Mahadev, Manish Pandey, Jaytrilok Choudhary, and Lalit Kumar. "Root Vegetable Crop Recommendation System Based on Soil Properties and Environmental." In Proceedings of the 5th International Conference on Data Science, Machine Learning and Applications; Volume 1: ICDSMLA 2023, 15–16 December, Hyderabad, India, vol. 1273, p. 86. Springer Nature, 2024.

[11] Ajagalla, Mahadev, Manish Pandey, and Jaytrilok Choudhary. "Optimizing Fertilizer Recommendations for Root Vegetable Crops Through Soil Feature Analysis and Environmental Parameter Integration Via Machine Learning Techniques." In International Conference on Data Science and Applications, pp. 377-387. Singapore: Springer Nature Singapore, 2024.

[12] Nandanwar, Amit Kumar, Mohit Kushwaha, Kondabathula Vishwatej, Dhirendra Pratap Singh, and Jaytrilok Choudhary. "Nutrition Estimation and Dietary Assessment in Indian Food through Deep Learning." In 2024 IEEE International Students' Conference on Electrical, Electronics and Computer Science (SCEECS), pp. 1-7. IEEE, 2024.

[13] M. Patel, R. Patel, D. P. Singh, J. Choudhary, and N. Nigam, " Faster Mimic and Fool: An Adversarial Attack," in IEEE International Students' Conference on Electrical, Electronics and Computer Science, MANIT, Bhopal, 24 Feb, 2024, doi: 10.1109/SCEECS61402.2024.10482358

[14] V. Shakya, J. Choudhary, and D. P. Singh, "Principal Component Analysis and Deep Learning-Based Traffic Anomaly Detection in WSN," in IEEE International Students' Conference on Electrical, Electronics and Computer Science, MANIT, Bhopal, 24 Feb, 2024, doi: 10.1109/SCEECS61402.2024.10481982.

[15] R. K. Sinha, M. Kushwaha, J. Choudhary, D. P. Singh, and M. Pandey, "Flood Image Segmentation of UAV Aerial Images using Deep Learning," in IEEE International Students' Conference on Electrical, Electronics and Computer Science, MANIT, Bhopal, 25 Feb, 2024, doi: 10.1109/SCEECS61402.2024.10481993

[16] M. Kushwaha, A. K. Nandanwar, A. V. Joy, J. Choudhary, and D. P. Singh, "Improved Semi Supervised Image Classification using GAN," in IEEE International Students' Conference on Electrical, Electronics and Computer Science, MANIT, Bhopal, 25 Feb, 2024, doi:

10.1109/SCEECS61402.2024.10481944.
[17] A. K. Nandanwar, M. Kushwaha, K. Vishwatej, D. P. Singh, and J. Choudhary, "Nutrition Estimation and Dietary Assessment in Indian Food through Deep Learning," in IEEE International Students' Conference on Electrical, Electronics and Computer Science, MANIT, Bhopal, 25 Feb, 2024, doi: 10.1109/SCEECS61402.2024.10482111.
[18] Rambhad, A., Singh, D.P., Choudhary, J. (2023). Detection of Flood Events from Satellite Images Using Deep Learning. In: Bhateja, V., Yang, XS., Chun-Wei Lin, J., Das, R. (eds) Intelligent Data Engineering and Analytics. FICTA 2022. Smart Innovation, Systems and Technologies, vol 327. Springer, Singapore. https://doi.org/10.1007/978-981-19-7524-0_23
[19] M. U. Ashraf, J. Choudhary and D. P. Singh, "Human age prediction from bone X-ray Scan images by using advanced Deep CNN," 2022 2nd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE), 2022, pp. 1994-1999, doi: 10.1109/ICACITE53722.2022.9823550.
[20] R. K. Yadav, N. Nigam, D. P. Singh and J. Choudhary, "Improving Vehicle Detection using Ghost Convolution and GhostBottleneck layers in YOLOv5s," 2023 International Conference on Computational Intelligence and Sustainable Engineering Solutions (CISES), Greater Noida, India, 2023, pp. 322-326, doi: 10.1109/CISES58720.2023.10183551.
[21] Gupta, S.K., Yadav, S., Singh, D.P., Choudhary, J. (2022). Local Roughness Binary Pattern for Texture Classification. In: Sharma, S., Peng, SL., Agrawal, J., Shukla, R.K., Le, DN. (eds) Data, Engineering and Applications. Lecture Notes in Electrical Engineering, vol 907. Springer, Singapore.
[22] Kondabathula Vishwatej, Jaytrilok Choudhary, Dhirendra Pratap Singh, "Nutrition Estimation and Dietary Assessment in Indian Food through Deep Learning", 11th INTERNATIONAL CONFERENCE ON CONTEMPORARY ENGINEERING AND TECHNOLOGY. Date of conference: 1 - May- 2023.
[23] V. Joy, J. Choudhary and D.P. Singh, “Improved Semi Supervised Image Classification using Generative Adversarial Networks”, 11th International Conference on Contemporary Engineering and Technology, May 2023.
[24] Deshmukh, Aishwarya, Jaytrilok Choudhary, and Dhirendra Pratap Singh. "Multi Kernel Scaled Deep Time Series Imputation." In 2022 8th International Conference on Advanced Computing and Communication Systems (ICACCS), vol. 1, pp. 829-834. IEEE, 2022.
[25] Bharti, Meenakshi, Jaytrilok Choudhary, and Dhirendra Pratap Singh. "Detection and Classification of Pulmonary Lung Nodules in CT Images Using 3D Convolutional Neural Networks." In 2022 8th International Conference on Advanced Computing and Communication Systems (ICACCS), vol. 1, pp. 1319-1324. IEEE, 2022.
[26] Mansuri, Sohaib, Sumit Kumar Gupta, Dhirendra Pratap Singh, and Jaytrilok Choudhary. "Modified DMGC Algorithm using ReLU-6 with Improved Learning Rate for Complex Cluster Associations." In 2022 6th International Conference on Intelligent Computing and Control Systems (ICICCS), pp. 634-640. IEEE, 2022.
[27] Meena, Vipin Kumar, Jaytrilok Choudhary, and Dhirendra Pratap Singh. "Heart and Cardiac Arrest Analysis by Prediction of Hybrid Model." In 2022 6th International Conference on Intelligent Computing and Control Systems (ICICCS), pp. 1600-1606. IEEE, 2022.
[28] Uikey, Sushmita, Dhirendra Pratap Singh, and Jaytrilok Choudhary. "Sentiment Analysis: A Comparative Analysis." In Data Intelligence and Cognitive Informatics, pp. 795-807. Springer, Singapore, 2022.
[29] Solanki, Surendra, Vasudev Dehalwar, and Jaytrilok Choudhary. "Cooperative Spectrum Sensing for PU Detection in Cognitive Radio Using SVM." In Data Engineering and Communication Technology, pp. 61-69. Springer, Singapore, 2021.
[30] Krishna K., Choudhary J., Singh D.P. (2021) Malicious Webpage Classification. In: Misra R., Kesswani N., Rajarajan M., Bharadwaj V., Patel A. (eds) Internet of Things and Connected Technologies. ICIoTCT 2020. Advances in Intelligent Systems and Computing, vol 1382. Springer, Cham. https://doi.org/10.1007/978-3-030-76736-5_36.
[31] Krishna K., Choudhary J., Singh D.P. (2021) Malicious Webpage Classification Using Deep Learning Technique. In: Dubey H.M., Pandit M., Srivastava L., Panigrahi B.K. (eds) Artificial Intelligence and Sustainable Computing. Algorithms for Intelligent Systems. Springer, Singapore. https://doi.org/10.1007/978-981-16-1220-6_39.

[32] Thakur S., Choudhary J., Singh D.P. (2021) A Survey on Missing Values Handling Methods for Time Series Data. In: Sheth A., Sinhal A., Shrivastava A., Pandey A.K. (eds) Intelligent Systems. Algorithms for Intelligent Systems. Springer, Singapore. https://doi.org/10.1007/978-981-16-2248-9_42.

[33] Indapwar A., Choudhary J., Singh D.P. (2021) Survey of Real-Time Object Detection for Logo Detection System. In: Sheth A., Sinhal A., Shrivastava A., Pandey A.K. (eds) Intelligent Systems. Algorithms for Intelligent Systems. Springer, Singapore. https://doi.org/10.1007/978-981-16-2248-9_7.

[34] Ankit Jaiswal. Sunny Kumar Gupta, Dhirendra Pratap Singh and Jaytrilok Choudhary. "Review on COVID-19 identification using chest X-Rays". International Conference on Artificial Intelligence and Energy System. (ICAIES 2021).

[35] Sunny Kumar Gupta, Ankit Jaiswal. Dhirendra Pratap Singh, Jaytrilok Choudhary, "Deep Learning Methods to Combat COVID-19 Pandemic", International Conference on Artificial Intelligence and Energy System, (ICAIES 2021)

[36] Sushmita Uikey, Dhirendra Pratap Singh, Jaytrilok Choudhary, "A Review of Sentiment Analysis on Microblogging Data", International Conference on Artificial Intelligence and Energy System, (ICAIES 2021).

[37] Praveen Kumar, J. Choudhary, and D. P. Singh, "A Review on Lung cancer detection with machine learning", In International Conference on Artificial Intelligence and Energy System (ICAIES-2021).

[38] Amarja Indapwar J. Choudhary, and D. P. Singh, "Logo Detection System Using YOLO-V5 Medium", in International Conference on Artificial Intelligence and Energy System (ICAIES-2021).

[39] Ankit Temurnikar, Pushpneel Verma and Jaytrilok Choudhary, "Securing Vehicular Adhoc Network against malicious Vehicles using Advanced Clustering Techniques", *In the procedding of 2nd IEEE International Conference on Data, Engineering and Applications*, 2020

[40] Ankit Temurnikar, Pushpneel Verma and Jaytrilok Choudhary, "A Survey: Routing Protocol Security Algorithm and Simulation in VANET", *In procedding of International Conference on Emerging Trends in Information Technology and Data Science*, 2020.

[41] Thakur S.K., Singh D.P., Choudhary J. (2022) Lung Cancer: Detection and Classification of Malignancies. In: Dubey H.M., Pandit M., Srivastava L., Panigrahi B.K. (eds) Artificial Intelligence and Sustainable Computing. Algorithms for Intelligent Systems. Springer, Singapore. https://doi.org/10.1007/978-981-16-1220-6_38.

[42] Gothwal, Harshita, Jaytrilok Choudhary, and D. P. Singh. "The survey on skyline query processing for data-specific applications." In *Proceedings of 3rd International Conference on Internet of Things and Connected Technologies (ICIoTCT)*, pp. 26-27. 2018.

[43] Dixit, Avantika, Jaytrilok Choudhary, and D. P. Singh. "Survey of apache storm scheduler." In *Proceedings of 3rd International Conference on Internet of Things and Connected Technologies (ICIoTCT)*, pp. 26-27. 2018.

[44] Yadav, Susheel Kumar, Dhirendra Pratap Singh, and Jaytrilok Choudhary. "A survey: comparative analysis of different variants of local binary pattern." In *2018 Second International Conference on Inventive Communication and Computational Technologies (ICICCT)*, pp. 1878-1887. IEEE, 2018.

[45] Naik, Rajat, Dhirendra Pratap Singh, and Javtrilok Chaudhary. "A survey on comparative analysis of different ICA based face recognition technologies." In *2018 Second International Conference on Electronics, Communication and Aerospace Technology (ICECA)*, pp. 1913-1918. IEEE, 2018.

[46] Choudhary, Sanjay, Jaytrilok Choudhary, and Vasudev Dehalwar. "A Re-ranking Strategy for Web Search Personalization." *International journal of Computer Science and its Applications* (2009).

Dr. Jaytrilok Choudhary
Associate Professor
Department of CSE
Maulana Azad National Institute of Technology
Bhopal (M.P.) – 462003
Email: jaytrilok@manit.ac.in;jaytrilok@gmail.com;
M.No.: 9201104151