Faculty Profile



Mr. Pradeep R, M.E., (Ph.D)
Assistant Professor – Computer Science and Engineering (Cyber Security)

HIGHLIGHTS:

- Number of Journal Publications : 10
- H-Index : 2
- Patents Published : 8

PROFESSIONAL LINKS:

- Scopus ID : 58852527200
- Scopus Link : https://www.scopus.com/authid/detail.uri?authorId=58852527200
- Google Scholar ID : Khh8pAwAAAAJ
- Google Scholar Link : https://scholar.google.com/citations?hl=en&authuser=1&user=Khh8pAwAAAAJ
- Anna University Faculty ID: 2630361991
- AICTE Faculty ID: 1-7354953251
- LinkedIn: www.linkedin.com/in/pradeepraja25

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: 11 Years
- Industrial Experience: 1 Year

AREA OF SPECIALIZATION:

- Cloud Computing
- Fog Computing
- Machine Learning
- Data Analysis

PATENTS PUBLISHED

- Adaptive Multi-Agent system for Smart Grid optimization using AI, ML, IOT and Reinforcement Learning Techniques (Application No.202541065172 A), Indian Patent, July 2025
- Blockchain based Framework for Autonomous Decision-Making in AI system (Application No. 202541013216 A), Indian Patent, February 2025
- Real - time Groundwater for Identification and Monitoring System (Application No. 202441080354 A), Indian Patent, October 2024
- Explainable AI system with Interactive visualization of Decision-Making Process (Application No. 202441066014 A), Indian Patent, September 2024
- AI based Smart walking stick for Visually impaired (Application No. 409498-001), Indian Patent, May 2024
- Privacy preserving Healthcare Records with Blockchain and NLP (Application No. 202441014658), Indian Patent, March 2024
- Secure Federated Framework for Multi-party collaboration in Cloud Environments (Application No. No.202341087171), Indian Patent, January 2024.

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

- Prabha, M., Nandhini, S., Dayanidhy, M., Pradeep R., Edge-AI integrated secure wireless IoT architecture for real time healthcare monitoring and federated anomaly detection. Sci Rep 16, 574 (2026).
- V. Priya, D. Prabakar, A. Geetha, R. Pradeep and S. Karthi, "Intelligent Parking Solutions for Efficient Space Management," 2026 International Conference on Electronic Systems and Intelligent Computing (ICESIC), Chennai, India, 2026, pp. 627-632.
- Narayana, K.E., Ravikumar, S., Muruganandam, S., Pradeep, R., Sindhuja, M. (2026). Evaluating Machine Learning Algorithms for Breast Cancer Detection: Logistic Regression, Naive Bayes, and Decision Tree Models. Communications in Computer and Information Science, vol 2653. Springer
- Pradeep R, Sevanthi P, Rekha G, and N. Meghashree, "Secure Image Transmission for Mobile Application Using PSNR Metric and Elliptic Curve Digital Signature," 2025 11th International Conference on Communication and Signal Processing (ICCSP), Melmaruvathur, India, 2025, pp. 1490-1495
- S. Sasikumar, R. Pradeep, P. V. Gopirajan, M. Kanchana, N. Velmurugeshkumar; Optimization of web-based application to donate blood-on-demand: A machine learning approach. AIP Conf. Proc. 29 July 2024; 3075 (1): 020278.

- Ravikumar S; Pradeep R; Thava Vinu A; Sowmia K R; Eugene Berna I, "Smart Card E-Insurance Authorization for Vehicles Using RFID," 2024 Second International Conference on Intelligent Cyber Physical Systems and Internet of Things (ICoICI), Coimbatore, India, 2024, pp. 660-665

- M. Jaeyalakshmi, K. Vijay, R. Pradeep, L. Ram Prakash and H. Pravinesh, "Advancing Water Crisis Solutions through Deep Learning," 2024 15th International Conference on Computing Communication and Networking Technologies (ICCCNT), Kamand, India, 2024

- Ravikumar S; Eugene Berna I; Vijay K; Pradeep R; Babu R, "Enhancing Solar Energy Harvesting Efficiency: A Dual-Axis Solar Tracking System," 2024 4th International Conference on Innovative Practices in Technology and Management (ICIPTM), Noida, India, 2024

- Pradeep R; Narayana K E; Kabilesh J; Jenish R E; Kavya S, "A Novel Approach for Detection of Ocular Diseases using Deep Learning Concepts," 2024 International Conference on Computing and Data Science (ICCDS), Chennai, India, 2024

- Dharani Devi G; Hemalatha R; Pradeep R; Jagan G, "Political Opinion Mining for Popularity Prediction using Machine Learning Techniques," 2023 International Conference on Research Methodologies in Knowledge Management, Artificial Intelligence and Telecommunication Engineering (RMKMATE), Chennai, India, 2023

PROFESSIONAL MEMBERSHIPS:

- International Association of Engineers (IAENG) - Member ID : 248453

- Institute of Research Engineers and Doctors - Membership ID : AM101000585113