Faculty Profile

Name: S. Gani Lakshmi

Designation: Assistant Professor (F10 cadre)

Teaching Areas: C Programming, Java, Python, Data Structures and Algorithms, Data Structures through C and Java, Advanced Data Structures, OOP through Java, Design and Analysis of Algorithms, Operating Systems.

Research Interests: Machine Learning, Deep Learning, Image Processing, Computer Vision.

Education:

- Ph.D. (Pursuing), Amrita University, Amaravati (October 2023)
- M.Tech, Kakinada Institute of Engineering & Technology for Women (JNTUK Affiliated), Andhra Pradesh, 2017.
- B. Tech, Adarsh College of Engineering (JNTUK Affiliated), Andhra Pradesh, 2014.

Research / Selected Publications:

Journals/Conference/Books/Chapters/Patents/Funded Projects

1. Lakshmanarao, A., M. Raja Babu, Chabi Gupta, and A. S. Gani Lakshmi. "Stock price prediction using deep learning and FLASK." In 2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES), pp. 1-5. IEEE, 2022.
2. Lakshmi, Somarowthu Gani, et al. "Assessment of a Semi-supervised Machine Learning Method for Thwarting Network DDoS Assaults." International Conference on Microelectronics, Electromagnetics and Telecommunication. Singapore: Springer Nature Singapore, 2023.
3. Lakshmi, Somarowthu Gani, Arkaprava Mukherjee, and Chandan Kumar. "Comparing Machine Learning Approaches for Predicting the Severity of Alzheimer Disease." 2024 IEEE 1st International Conference on Green Industrial Electronics and Sustainable Technologies (GIEST). IEEE, 2024.
4. Lakshmi, S. Gani, Chandan Kumar, and Priyanka Kumar. "Progressive Early Alzheimer's Diagnosis: Leveraging Hard and Soft Ensemble Voting Techniques in Machine Learning." Procedia Computer Science 258 (2025): 1899-1908.

Patents:1. Authentic and Pre-Informative Parking System with Fog Computing and Edge Computing. Filed at: Patent Office, Chennai (India), Form-2 under The Patent Act, 1970.Field: Smart Parking Systems, Fog & Edge Computing.

2.Smart Billing Basket with Predictive Modelling and Deep Learning, Application No: 202241053377 A (India). Filed on: 19/09/2022; Published on: 23/09/2022.Field: Computer Science – Emerging Technology.