



Dr.Sreevani Maddukuri

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ResearchInterest(s)

- BigData
- InformationSecurity
- DatawarehousingandDataMining
- In-MemoryComputing
- AnalysisandDesignofAlgorithms

TeachingInterest(s)

- C/C++ Programming
- Advanced DataStructures
- Operating Systems
- Design and Analysis of Algorithms
- DBMS
- MFCS
- Information Security
- Database Security
- Linux Programming
- Cloud Computing

Academic honours/awards:

- **Active Member**, Board of Studies (Computer Science), *GRIET*, Hyderabad
- **Best Paper Award** at an International Conference held in *Bangkok*
- **Senior Advisory Committee Member**, *QUBIT*, held on **March 8–9, 2013**
- **Stage Committee Member**, *NIRVANA*, conducted from **March 21–23, 2012**
- **Member**, Departmental **NBA Committee**, *MGIT* (2012–2018)
- **Coordinator**, *MGIT Alumni Meet-up* (2014).

Invited Lectures

- **Resource Person** for *Web Data Mining*, Refresher Course organized by *JNTUH*, Hyderabad
- **Guest Lecture** on *Web Mining*, **Aurora College**, Hyderabad
- **Session Chair**, *AURA-2009 Symposium*, **Aurora College**, Hyderabad
- **Guest Lecture** on *Information Security*, **Arjun Engineering College**, Hyderabad
- **Session Chair**, Symposium at **Arjun Engineering College**, Hyderabad
- **Guest Lecture** on *Social Network Privacy*, **NMREC Engineering College**, Hyderabad
- **Guest Lecture** on *Internet of Things (IoT)*, **NMREC Engineering College**, Hyderabad

Technical Certifications

- **Certified UML Rational Rose Designer**
- **Certification by JNTU** – Completed a 3-day to one-week certified training program

Conferences Organized

- **Program Chair**, *National Conference on Knowledge Engineering (NCKE-2011)*
- **Coordinator**, *In-house Technical Workshops, Conferences, and Seminars at MGIT*

Workshops Attended

- **Three-Week Refresher Course** on *Information Security* with **A grade**, conducted by **UGC Academic Staff College, JNTUH** (17th Nov – 6th Dec 2008)
- **Three-Week Refresher Course** on *Big Data and Cloud Analytics* with **A grade**, conducted by **UGC Academic Staff College, JNTUH** (10th – 29th Nov 2014)
- **One-Day Seminar** on *Innovation and Technology for Sustainable Development*, **MGIT**, Hyderabad
- **Two-Day National Workshop** on *Speech Processing*, **MGIT**, Hyderabad
- **Two-Day National Workshop** on *Research Opportunities in Computer Science and IT*, **CBIT**, Hyderabad
- **One-Day National Symposium** on *Software 2.0: Emerging Competencies*, organized by **Computer Society of India (CSI)**, Hyderabad
- **One-Day National Workshop** on *Technological Foundations of Research in Computer and Information Sciences*, **CBIT**, Hyderabad
- **One-Day TCS Faculty Development Program** on *Introduction to Service-Oriented Architecture and Cloud Computing*, **MGIT**, Hyderabad
- **One-Day TCS Faculty Development Program** on *Project Management from an Industry Perspective*, **MGIT**, Hyderabad.

Publications

• Journals

1. Bhargavi, K., Pasha, M. J., Kotoju, R., & **Vani, M. S.** (2025). IVFD: An Intelligent Video Forgery Detection Framework Leveraging InceptionV3 and GRU for Enhanced Forensics. *Indonesian Journal of Electrical Engineering and Informatics (IJEI)*, 13(1), 30-44.
2. Desidi Narsimha Reddy, Dr Pinagadi Venkateswararao, **Dr M. Sree Vani**, Vodapelli Pranathi, Dr Anitha Patil HybridPPI: A Hybrid Machine Learning Framework for Protein-Protein Interaction Prediction, *Indonesian Journal of Electrical Engineering and Informatics (IJEI)*, Vol. 13, No. 2, June 2025, pp. 439-450
3. Rajarajeswari, P., Saraswathi, R. V., Jahnavi, Y., Ravuri, V., Alankritha, S., **Vani, M. S.**, ... & Gaftandzhieva, S. (2025). Performance evaluation of generative adversarial networks for anime face synthesis using deep learning approaches. *Multidisciplinary Science Journal*, 7(3), 2025093-2025093.
4. A. Harshavardhan., **M. Sree Vani.**, Dr Anitha Patil., Nagendar Yamsani., & Kande Archana (2025) Hybrid Deep Learning Framework For Intrusion Detection: Integrating Cnn, Lstm, And Attention Mechanisms To Enhance Cybersecurity. *Journal of Theoretical and Applied Information Technology*, 103(1), 63-78.
5. Koushik Anumal, G. Sunil Kumar, **M. Sree Vani**, Kuncham Sreenivasa Rao. BCDNN: Enhancing CNN Model for Automatic Detection of Breast Cancer Using Histopathology Images, *Indonesian Journal of Electrical Engineering and Informatics (IJEI)*, Vol. 13, No. 2, June 2025, pp. 424-438
6. Moeed, S. A., Babu, B. S., **Sreevani, M.**, Rao, B. V., Kumar, R. R., & Mohammed, G. B. (2024). An Intelligent Crow Search Optimization and Bi-GRU for Forest Fire Detection System Using Internet of Things. *Nature Environment & Pollution Technology*, 23(4).
7. Vemula, S. T., **Sreevani, M.**, Rajarajeswari, P., Bhargavi, K., Tavares, J. M. R., & Alankritha, S. (2024). Deep Learning Techniques for Lung Cancer Recognition. *Engineering, Technology & Applied Science Research*, 14(4), 14916-14922.
8. **M. Sree Vani** (2019), Opinion analysis of digital India mission, *International Journal of Recent Technology and Engineering (IJRTE)*, 8(1c2) 1240-1242.
9. Rajarajeswari, P., **Sreevani, M.**, & Suryakumari, P. L. (2021, November). Secure Cloud Risk Architecture analysis for Mobile Banking system and its performance analysis based on Machine learning approaches. In *Journal of Physics: Conference Series* (Vol. 2089, No. 1, p. 012007). IOP Publishing.
10. **Vani, M. S.**, Bhramaramba, R., Vasumati, D., & Babu, O. Y. (2014). Tui based touch-spam detection

in mobile applications to increase the security from advertisement networks. *IJACCC: International Journal of Advanced Computer Communications and Control*, 2(01), 17-22.

11. **Vani, M S.**, Bhramaramba, R., Vasumati, D., & Babu, O. Y. (2014). A Node-Tag Prediction Algorithm for Touch Spam Detection in Mobile Ad Networks. *International Journal of Computer Engineering and Applications*, 8(III).
12. Manne Vamshi Krishna, Gopu Abhishek Reddy, B. Prasanthi, **M. Sreevani**, (2019). Green Virtual Mouse Using OpenCV. *International Journal of Computer Sciences and Engineering*, 7(4), 575-580.
13. **M. Sree Vani** (2017) "Identifying Spam in Mobile Ad Networks using Latent Class Model". *International Journal of P2P Network Trends and Technology (IJPTT)*, 7(1):22-27.
14. **M. Sree Vani** (2017) "A Graph-Based Approach for Discovering and Mining Evolving usage Patterns". *International Journal of P2P Network Trends and Technology (IJPTT)*, 7(1):28-31
15. **M. Sree Vani** (2017) "Forecast of Mobile Ad Click through Logistic Regression Algorithm". *International Journal of P2P Network Trends and Technology (IJPTT)*. 7(5) :30-33
16. **M. Sree Vani** (2017) "Advisory System for Online Advertising". *International Journal of P2P Network Trends and Technology (IJPTT)*, 7(5) :34-40
17. **M.Sree Vani** (2017) "Classification of Touch Spam in Mobile Ad Networks using Bi-Partite Graph". *International Journal of P2P Network Trends and Technology (IJPTT)*. 7(6), 19-24.
18. **M.Sree Vani** (2017) "An Ensemble Learning Approach to Detect Touch-Spam in Mobile Ad-Networks". *International Journal of P2P Network Trends and Technology (IJPTT)*, 7(2),18-24.
19. **M. Sree Vani** (2016)., "A recommender system for Online Advertising", *International Journal of Advanced Research in Computer and Communication Engineering*,5(2), 599-604.
20. **Sree Vani, M.** (2016). Prediction of Mobile Ad Click Using Supervised Classification Algorithms. *International Journal of Computer Science and Information Technologies*, 7(2).
21. **M. Sree vani**, R.Bhramaramba, D.Vasumati and O.Yaswanth Babu.,(2012) "Classifying Web Spam Using Block-based TrustRank" *International Journal of Current Engineering and Technology*, 2(4). 369-373.
22. **M. Sree vani**, R.Bhramaramba, D.Vasumati and O.Yaswanth Babu.,(2013) "A Survey on Link Based Algorithms for Web Spam Detection" *International Journal of Current Engineering and Technology*, 3(2). 547-556.
23. **M.Sreevani**, & Ravi, Bhramaramba& Vasumati, D. & Babu, O.Yashwant. (2014). "Spam Detection in Mobile Ad Networks". *International Journal of Electrical, Electronic and Computer Systems*. 2(2). 5-10.
24. **Vani, M. S.**, Bhramaramba, R., Vasumati, D., & Babu, O. Y.,(2014), "Prediction of Spam App Publishers In Mobile Ad Networks." *International Journal of Advanced Technology in Engineering and Science*. 2(10). 219-228.

Conference Papers

1. Kumar, M., Kumar, V., Sabitha, B., Singh, J., Al-Jawahry, H. M., & **Vani, M. S.** (2024, November). A High-Performance Deep Learning Approach for Real-Time Detection of Rice Leaf Diseases Using CNN Model. In *2024 International Conference on IoT, Communication and Automation Technology (ICICAT)*(pp. 849-853). IEEE.
2. Singh, J., Sahu, D. P., Reddy, P., Mohan, L. M., Alsalami, Z., & **Vani, M. S.** (2024, November). Advances in Deep Learning for Remote Sensing: Automatic Target Detection and High-Resolution

- Image Classification. In *2024 4th International Conference on Advancement in Electronics & Communication Engineering (AECE)* (pp. 872-877). IEEE.
3. Mohammad, F., Sharma, G., Khandelwal, K., Arif, A., **Vani, M. S.**, & Sathyanarayana, C. (2024, September). Development of a Predictive Model for Kidney Stone Formation Using Deep Learning Techniques. In *2024 International Conference on Artificial Intelligence and Emerging Technology (Global AI Summit)* (pp. 485-489). IEEE.
 4. Bafna, P., Thakur, H. K., Singh, J., Sadana, J., Hassan, M. M., & **Vani, M. S.** (2024, November). An Intelligent Learning Approach to Case Analysis for Predicting Legal Outcomes Using Random Forest and K-Nearest Neighbors. In *2024 4th International Conference on Technological Advancements in Computational Sciences (ICTACS)* (pp. 602-607). IEEE.
 5. Reddy, P., Singh, J., Rawat, G. S., Habelalmateen, M. I., & **Vani, M. S.** (2024, November). Development and Testing of a CNN-Based Smart Web Application Deep Learning for Early Detection of Plant Diseases. In *2024 Second International Conference on Advanced Computing & Communication Technologies (ICACCTech)* (pp. 319-324). IEEE.
 6. Rajarajeswari, P., **Sreevani, M.**, & Suryakumari, P. L. (2021, November). Secure Cloud Risk Architecture analysis for Mobile Banking system and its performance analysis based on Machine learning approaches. In *Journal of Physics: Conference Series* (Vol. 2089, No. 1, p. 012007). IOP Publishing.
 7. **Sree Vani, M.**, Sutrawe, R., & Yaswanth Babu, O. (2019). A Data Mining Approach for Sentiment Analysis of Indian Currency Demonetization. In *Soft Computing in Data Analytics: Proceedings of International Conference on SCDA 2018* (pp. 11-17). Springer Singapore.
 8. Vasumati, D., **Vani, M. S.**, Bhramaramba, R., & Babu, O. Y. (2015, April). Data mining approach to filter click-spam in mobile ad networks. In *Int'l Conference on Computer Science, Data Mining & Mechanical Engg* (pp. 90-94). ICCDMME Bangkok Thailand.
 9. **M.Sreevani, R. Bhramaramba, D. Vasumathi, O. Yaswanth Babu,** "A Multi-Phase Approach To Retrieve Spam Free Web Pages ", 3rd National Conference in NCCNIS-2014, Vasavi Engineering college.
 10. **M.Sreevani, R. Bhramaramba, D. Vasumathi, O. Yaswanth Babu,** "Identification of Touch spam in Mobile Ad Networks using Bipartite Graphs", International Conference in ICICC-2015.

Book Chapter

1. **Sree Vani, M.**, Sutrawe, R., & Yaswanth Babu, O. (2019). A Data Mining Approach for Sentiment Analysis of Indian Currency Demonetization. In *Soft Computing in Data Analytics: Proceedings of International Conference on SCDA 2018* (pp. 11-17). Springer Singapore.

Patents

1. A design patent on SMART PLASTIC WASTE MANAGEMENT DEVICE, 2023.
2. A design patent on IOT BASED DEVICE FOR WEATHER MONITORING AND NATURAL DISASTER PREVENTION, 2023.
3. Authentic and Pre Informative Parking System with Fog computing and Edge Computing, 2022

Research Supervision of Post Graduate Projects

1. Content Caching and Replication Schemes for Peer-to-Peer File Sharing in Wireless Mesh Networks", IJCSET, PP: 1283-1288, Volume-2 Issue-6, June 2012.
2. Analysis of path performance in the occupancy of adversary, IJRRECS, August 2014, Volume-2, Issue-8/3071-3075.