

RAMU S

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Education

	Degree	Year	Institute	Specialization
1	Ph.D (Pursuing)	-	National Institute of Technology Karnataka (NITK), Surathkal	Information Technology
2	M.Tech	2008	University B.D.T College of Engineering, Davangere	Computer Science and Engineering
3	B.Tech	2006	Sri Siddhartha Institute of Technology, Tumakuru	Computer Science and Engineering

Professional Experience

	Date (from-to)	Designation	Organization
1	23-August-2010 to Till Date	Assistant Professor	Siddaganga Institute of Technology, Tumakuru
2	06- February- 2008 to 27-July- 2010	Lecturer	Acharya Institute of Technology, Soladevanahalli, Bengaluru

Positions held

- Department Major Project Coordinator
- Department Mini Project Coordinator
- Department Board of Examiners Coordinator
- Department Timetable Coordinator
- Department Website Coordinator
- Department Test Coordinator
- Department Technical Seminar Coordinator

Affiliations of Professional organizations

- Member of Institute of Engineers
- Members of ISTE

Courses Taught

Undergraduate Courses

- Computer Networks
- Compiler Design
- Unix Shell Programming
- Finite Automata and Formal Languages
- Object Oriented Programming with C++
- Cryptography and Network Security
- Business Intelligence
- Microcontroller
- Database Management Systems
- Operating Systems

Postgraduate Courses

- Ethical Hacking
- Ethical Hacking Laboratory

Research Areas

- Artificial Neural Networks
- Deep Learning
- Federated Learning

Publications

Journals

- Ramu S, Ram Mohana Reddy Guddeti, & Biju R. Mohan, Federated learning approach for human activity recognition in online examination environment, Multimedia Tools and Applications, 2025.
<https://doi.org/10.1007/s11042-025-20815-0>
- Ramu S, Prasad, Nandini Prasad, Ram Mohana Reddy Guddeti, & Biju R. Mohan, Bio-Inspired Hyperparameter Tuning of Federated Learning for Student Activity Recognition in Online Exam Environment. AI, 2024, 5(3), 1030-1048.
<https://doi.org/10.3390/ai5030051>

Conference Proceedings

- Bhardwaj, S., Ramu, S., & Guddeti, R. M. R. (2024, June). An Ensemble Deep Learning Approach for Emotion Monitoring System in Online Examinations. In *2024 15th International Conference on Computing Communication and Networking Technologies (ICCCNT)* (pp. 1-5). IEEE.
- Srikanth, C., Rashmi, M., Ramu, S., & Guddeti, R. M. R. (2022, December). A Novel Fake Job Posting Detection: An Empirical Study and Performance Evaluation Using ML and Ensemble Techniques. In *International Conference on Security, Privacy and Data Analytics* (pp. 219-234). Singapore: Springer Nature Singapore.
- Kumar, N., Rashmi, M., Ramu, S., & Guddeti, R. M. R. (2022, July). Molecular-InChI: automated recognition of optical chemical structure. In *2022 IEEE Region 10 Symposium (TENSYP)* (pp. 1-6). IEEE.
- Shailendra, P., Rashmi, M., Ramu, S., & Guddeti, R. M. R. (2022, July). Fake news detection in hindi using embedding techniques. In *2022 IEEE Region 10 Symposium (TENSYP)* (pp. 1-5). IEEE.
- Ramu, S., Guddeti, R. M. R., & Mohan, B. R. (2022, June). Human Activity Recognition for Online Examination Environment Using CNN. In *International Conference on Artificial Intelligence and Soft Computing* (pp. 327-335). Cham: Springer International Publishing.
- Keerthan Kumar T G and Ramu S, "Formal Verification of Security Protocol Using Spin Tool," *2019 1st International Conference on Advances in Information Technology (ICAIT)*, Chikmagalur, India, 2019, pp. 393-399, doi: 10.1109/ICAIT47043.2019.8987376.