

RAVI V

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Education

	Degree	Year	Institute	Specialization
1	B.E.	2005	Siddaganga Institute of Technology, Tumkur	CSE
2	M.Tech.	2012	SJCIT Institute of Technology, Chickaballapur.	CSE
3	Ph.D.	Pursuing	Siddaganga Institute of Technology, Tumkur	Cybersecurity

Professional Experience

	Date (from-to)	Designation	Organization
1	01/01/2011-Till the date	Assistant Professor	SIT
2	From 01/09/2006-31/12/2010	Lecturer	SIT

Positions held

- Coordinator for Controller of Examination
- Department Test Coordinator
- Department Technical seminar coordinator

Affiliations of Professional organizations

Cryptology Research Society of India

Computer Society of India

Indian Society for Technical Education

Courses Taught

Undergraduate Courses

- Data Structures
- Analysis and Design of Algorithms

- Microcontrollers
- Object Oriented Programming with C++
- Advanced Microprocessors
- System Software
- C# and .Net Technologies
- Java Programming
- Advanced Data Structures and Algorithms
- Cryptography and Network Security
- Computer Networks and Network programming laboratory

Postgraduate Courses

- Advanced Algorithms and Algorithms Laboratory
- Software Defined Networks

Research Areas

- Cybersecurity
- Deep Learning
- Network Security

Sponsored Projects

Completed Projects:

1. Title: Formal verification of Security Protocols in Network Devices
Funding Agency: DRDO SAG, New Delhi
Amount: 23 lakhs
Duration: 2016-2018
Role: Co-Principal Investigator

Publications

Journals

- Ravi. Veerabhadrapa and P. A. Sampigerayappa, "Classifying Network Flows through a Multi-Modal 1D CNN Approach Using Unified Traffic Representations," *Comput. Syst. Sci. Eng.*, vol. 49, no. 1, pp. 333–351, 2025. <https://doi.org/10.32604/csse.2025.061285>

Conference Proceedings

- R. V and A. S. Poornima, "Designing a Robust Network Traffic Annotator and Classifier Using Active Learning Technique," *2024 Asia Pacific Conference on Innovation in Technology (APCIT)*, MYSORE, India, 2024, pp. 1-5, doi: 10.1109/APCIT62007.2024.10673636.
- V. Ravi, N. R. Sunitha, R. Pradeep and S. Verma, "Formal methods to verify authentication in TACACS+ protocol," *2017 2nd International Conference On*

Emerging Computation and Information Technologies (ICECIT), Tumakuru, India, 2017, pp. 1-4, doi: 10.1109/ICECIT.2017.8453431.

- V. Ravi and R. Aparna, "Security in RFID based smart retail system," *2016 3rd International Conference on Computing for Sustainable Global Development (INDIACom)*, New Delhi, India, 2016, pp. 587-592.