Rajendra Hegadi

Enthusiastic and adaptable with the latest technologies

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Brief CV

Rajendra Hegadi , *IEEE Senior Member*

Associate Professor, Data Science and Artificial Intelligence
Professor In-Charge Academic. IIIT Dharwad. (pic-ac@iiitdwd.ac.in)
Indian Institute of Information Technology Dharwad.

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   Rajendra Hegadi has obtained his B.Sc (PME), and Dual Master Degree – MSc in Physics (from GUG) and M.Tech in Computer Science (from NITK Suratkal). His Ph.D is in Computer Science and Engineering (from MGRRI). He has secured a GATE Scholarship for his M.Tech program. He is an Associate Professor in the Department of Data Science and Artificial Intelligence, and Professor-In-Charge (Academic), Indian Institute of Information Technology Dharwad. Has more than 28 years teaching experience in various capacities. He also worked as a System Analyst in a software organization and has undertaken many project consultancies.

   His teaching and research interests include cryptography and network security, cybersecurity, blockchain, computer networks, and AI & ML. He has published several research papers in reputed journals, presented at prominent conferences, and contributed to book chapters. He is a senior member of IEEE, Member of IEEE Security and Privacy in Consumer Technology (SPC), member EXCOM IEEE-CS Bangalore chapter (2021), Member of PMC, Center of Excellence in Cyber Security, Govt. of Karnataka, member of CRSI, CSI and ISTE. Qualified GATE 97 and GATE 98. Coordinated: Cybershikshaa Program (An DSCI and Microsoft initiative), and AICTE QIP-FDP Program in Cyber Security. Team member: Grant for 5G Lab's setup at IIIT Dharwad, funded by Govt. of India. Member of Senate, IIIT Dharwad. Member of BOS of various institutes / universities.

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Experience

Associate professor, IIIT, Dharwad, Karnataka / Associate Professor, *PIC (Academic)*
Aug 2026 - PRESENT

Engineering Colleges affiliated to CSVTU / Professor
Jul 2010 - Aug 2016, CG.

Engineering Colleges (VTU) / Asst. Prof. / Professor, HOD
Aug 2002 - Jul 2010, Bangalore.

Esylib Software Pvt. Ltd / System Analyst
Aug 1999 - Jul 2002, Bangalore.

BKIT / Asst. Prof.
Dec 1991 - Oct 1918, Bhalki, Karnataka.

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Education

PhD /MGRRI, Chennai, CSE, Dec 2009

M.Tech (SACA)/ NITK, Surathkal, 2000 (*GATE Scholarship*)

M.Sc (Physics)/ GUG, Kalaburgi, 1990

Research Guidance

PhD: Awarded: 01, Guiding: 04
M.Tech Thesis: 10
B.Tech: More than 50 students project guidance

Patent (2)

1. **Application Number:** 202541057821
Date of Filing: 16/06/2025
Status: Published
Title: Gen Access Control: A Scalable NFC-Based Multi-Factor Authentication System with Privacy-by-Design

2. **Application Number:** 202541087562
Date of Filing: 15/09/2025
Status: Published
Title: A Novel Lightweight and Efficient Deep Learning Architecture for Real Time Tree Segmentation in Resource Constrained Environment

Research Publications

Google Scholar:
https://scholar.google.com/citations?user=GuRsKhEAAAAJ&hl=en&authuser=2

ORCID: https://orcid.org/0000-0002-5399-3400

Journals / Conferences / Book Chapters:
https://docs.google.com/document/d/1zLSCjEK7ALnjxI0jrkkC0gsnTWfRcgLTUXIam3iPxs4/edit?usp=sharing

Project / Consultancy / Training

- **Ongoing Projects:** NIL

Completed Projects:
- **Title**: High level software architecture development to integrate healthcare applications of Health and Family welfare Department, Government of Karnataka.
  Rs. 78 L / 3 years (2019-2022)
- **Title**: Autonomous Navigating Humanoid under Technology Innovation Hub TiHAN-IIT Hyderabad and CDAC Hyderabad, 3 years (2021-2024) / Co-Pi
- **Title**: Enhancing the security of SELinux/SEAndroid Policies, Cyber Security Technology Innovation, C3iHub Solicitation.
  Rs. 18 L / 1 years (2024) / Co-Pi

Training:
- **Title**: CyberShikshaa Training (Microsoft, DSCI and IIIT Dharwad) Certification program in Cybersecurity
  Rs. 27 L / 6 + 6 Months (2023-24)
- **Title**: AICTE- QIP-PG Certification Program in Cybersecurity 2024 and 2025 batches
  Rs. 40 L / 6 + 6 Months (Two batches 2024, 2025)
- **Title**: Certification in IT, in association with LTI

Mindtree.(CSR)
18 Months (Two batches 2023)

Consultancy:

- **Title**: Live Market Watch, Bangalore- Developed working prototype on PC for the Live BSE Streaming of stock data in mobile using GPRS based on user profile
- **Title:** ACO Sasken Automotive Electronics Pvt. Ltd. (Tsae), Bangalore – Cluster Demonstration: The UI on PC which will instantiate media player and send commands to the serial port in synchronizations.
- **Title**: Startup: Developed a device Bio electrography-corona discharge intensity detector.
- **Title:** Architect of Easylib Automation Software. (http://bhadra.easylib.net/)

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Professional Activities

- **Member:** Senate, IIIT Dharwad
- **IEEE** Senior member
- Member EXCOM IEEE-Computer Society (**CS**) Bangalore chapter (2021)
- Member :Security and Privacy in Consumer Technology (SPC) https://ctsoc.ieee.org/technical/technical-committees/spc-tc.html?view=article&id=312:spc-tc-members&catid=21
- Life Member Cryptology Research Society of India (**CRSI**)
- Member: Computer Society of India (**CSI**)
- Member: **IEEE Standard Association** P2145- Standards, Development Working Group- Standard for Framework and Definitions for Blockchain Governance. (2020-21)
- Member: **IEEE Standard Association**, Trusted Decentralized Networking Towards 6G Era.
- TPC: Various National and International conferences
- Resource person: FDPs, Conference key note, Panel Discussion

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Courses taught
(Recently)

- Cryptography and Network Security
- Blockchain Technology
- Cybersecurity Techniques
- Data Security and Privacy
- Computer Networking
- C++ Programming
- Project Management
- Object Oriented Analysis and Design