

Dr. Ravi Soni

Postdoctoral Researcher with PhD (Computer Science), MCA, B.Sc. (CS) | UGC-NET & RPSC-SET Qualified | 17+ Years in CS Education & Research

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Professional Summary

Dedicated and accomplished Assistant Professor of Computer Science with over 16 years of experience in higher education across reputed institutions. Expertise in teaching, research, curriculum design, departmental leadership, and student mentorship.

Key strengths include:

- Delivering impactful lectures in core computer science subjects, programming, AI, cybersecurity of UG and PG Level.
- Supervising student projects, dissertations, and research initiatives.
- Strong track record in examination coordination, placement facilitation, and academic administration as per NAAC.
- Contributor to research publications, patents, conferences, seminars and national-level workshops.

Passionate about innovative teaching, applied research, and student-centric learning while fostering collaborations between academia and industry.

Core Competencies

- University & Higher Education Teaching
- Curriculum Design & Academic Administration
- Student Mentorship & Career Guidance
- Research & Publications
- Examination Coordination & Paper Setting
- Workshop, Seminar & Conference Organization
- Placement Cell Management & Industry Networking
- Patents, IPR & Technical Innovation

Professional Experience

Assistant Professor – Computer Science

Poornima University, Jaipur | Jun 2025 – Present

- Teaching B.Tech CSE
- Designing lesson plans, lab exercises, and industry-aligned assessments.
- Guiding students in projects, internships, and research initiatives.
- Supporting curriculum enhancement and interdisciplinary research.
- Managing exam coordination and event organization in the department.

Assistant Professor – School of Computer Science

SKIPS University, Ahmedabad | Oct 2024 – Apr 2025

- Delivered UG-level CS courses; supervised student projects.
- Designed curriculum and assessments to ensure academic quality.
- Administered departmental duties including student counseling and admissions.
- Contributed to institutional academic development and research activities.

Assistant Professor & Coordinator – BCA Department

Shri Ratanlal Kanwarlal Patni Girls' College, Kishangarh | Jul 2015 – Oct 2024

- Taught core CS & IT subjects across UG/PG programs.
- Coordinated computer Science Department, overseeing academic planning, timetabling, and student evaluations.
- Organized national and international-level workshops, seminars, and conferences.
- Headed Placement Cell (2018–2024), driving campus recruitments and industry linkages.
- Engaged in institutional committees and inter-departmental collaboration.

Assistant Professor – MCA Department

Advent Institute of Management Studies, Udaipur | Oct 2011 – Jul 2015

- Taught CS-related courses for MCA, MBA, BCA, and BMS.
- Guided students in academic projects and dissertations.
- Served as examiner and paper setter for university exams.
- Contributed to faculty development and research discussions.

Lecturer & Head – BCA Department

Nathdwara Institute of Biotechnology & Management | Jul 2010 – Oct 2011

- Headed BCA Department with responsibility for admissions, academics, and exams.
- Mentored students and delivered lectures in CS subjects.
- Developed the official college website: www.nibm.co.in.
- Organized district-level talent search competitions and workshops.

Lecturer – CS/IT Department

Shrinathji Institute of Technology & Engineering, Nathdwara | Dec 2008 – Jun 2010

- Taught CS & IT courses to engineering students.
- Managed lab work, syllabus coverage, and academic counseling.
- Assisted in admissions and examination coordination.

Education

- Pursuing **Lincoln Global Postdoctoral Research (LGPR) Programme** from **Lincoln University College Malaysia**
- **Ph.D.** in Computer Science – *Malwanchal University, Indore (2022 – 2025)*
 - Research: *AI-Based Adaptive Cybersecurity Framework for Smart City Infrastructure*
- **UGC-NET** (Computer Science & Applications) – Qualified, 2019
- **RPSC-SET** (Computer Science & Applications) – Qualified, 2012
- **MCA** (Computer Applications) – *Mohanlal Sukhadia University, Udaipur (2005 – 2008) | 67.48%*
- **B.Sc.** (Physics, Mathematics & Computer Science) – *Mohanlal Sukhadia University, Udaipur (2001 – 2005) | 55.40%*
- Senior Secondary (Class XII – Mathematics and Biology) – *Kendriya Vidyalaya, Zawar Mines, CBSE (2001) | 61.80%*
- Secondary (Class X) – *Immanuel Mission School, Zawar Mines, CBSE (1999) | 77.60%*

Professional Memberships

- Lifetime Member – *ISTE (Indian Society for Technical Education)*

Patents & IPR

- *Smart Plastic Waste Management Device* – **Design Patent** (Application No. 379696-001, Filed: 20/02/2023; Published: 19/05/2023, Journal No. 20/2023).
- *A Machine Learning Based System for Providing a Biomedical User Interface* – **Patent Published** (Application No. 202241011172).
- **Copyright:** *Advanced Image Processing System (IoT & Cloud Computing)* – Registration No. L-146741/2024.

Research Publications & Conference Papers

Journal Publications

- Review of AI-Enhanced Intrusion Detection System for Smart City Infrastructure – *Leadership, Education, Personality: An International Journal (UGC Care-1)*.
- AI-Based Anomaly Detection in Smart City IoT Networks – *The RING: An Interdisciplinary International Journal*.

International Conferences

- Impact on Online Freedom of Speech from SOPA & PIPA – *Conference on Trends of Computer Technology in Academia*.
- AI-Based Anomaly Detection in Smart City IoT Networks – *CASE-2012, Mewar University, Chittorgarh*.
- Authentication and Preservation of Medical Images through Digital Watermarking – *Global Conference on Management Education for the New World, Advent Age Education Foundation, Udaipur (CIBER, University of Connecticut, USA & Laxpra Foundation)*.
- Implementing Paperless Education in India – *Conference on Managing Change in Business & Economy, Pacific University, Udaipur*.
- Adaptive and Reconciling E-Learning Technique – *Conference on Managing Change in Business & Economy, Pacific University, Udaipur*.
- Psychological & Social Perspective of Cybercrimes – *Conference on Contemporary Innovative Practices in Management, Pacific University, Udaipur*.

Workshops, FDPs & Training

- National Workshop – Remote Sensing & GIS (ISRS & ISRO).
- One-Week FDP – Soft Computing Techniques & Applications (SCoTA-17), Banasthali Vidyapith.
- UGC-IQAC Workshop – Transforming Education through Digital Learning.
- National Workshop – Android App Development (Robokart.com & IIT Bombay E-Cell).
- Organizing Secretary – National Workshop on IPR (DST, Rajasthan).
- Co-Organizing Secretary – National Workshop on Geographical Indications (DST, Rajasthan).
- Coordinator – RS-CIT ITGK & multiple skill-based programs.

Technical & Professional Skills

- Programming: C, C++, Java, HTML, SQL
- Specializations: AI, Cybersecurity,
- Tools: MS Office, LaTeX, LMS Platforms, Research Tools
- Academics: Curriculum Design, Student Mentorship, Examination Coordination, Paper Setting
- Administration: Department Leadership, Placement Cell Management, Workshop Organization

Languages

- English (Fluent)
- Hindi (Fluent)

Personal Details

- Date of Birth: 24 May 1983
- Nationality: Indian

Declaration

I hereby declare that the information provided above is true and correct to the best of my knowledge and belief.

Jaipur

Date: 16-06-2025

(Dr. Ravi Soni)