



Rekha Sharma

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Profile

Rekha Sharma is an accomplished academician and researcher specializing in Computer Science and Engineering, with dedicated expertise in Data Structures, Database Management, Image Processing, and Machine Learning. Currently serving as an Assistant Professor at IcfaiTech (Faculty of Science and Technology), The ICFAI University, Jaipur, since April 2026, she brings a robust blend of rigorous academic research, curriculum design, and student mentorship. Her professional trajectory reflects an ongoing commitment to advancing computer science education and contributing to cutting-edge research in artificial intelligence and computer vision.

Ms. Sharma is currently pursuing her Doctor of Philosophy (Ph.D.) in Computer Science & Engineering at Manipal University Jaipur, focusing on advanced image processing and machine learning frameworks. She completed her Master of Technology (M.Tech) in Computer Science & Engineering from Swami Keshvanand Institute of Technology (affiliated with Rajasthan Technical University) with distinction (70%), following a Bachelor of Technology (B.Tech) degree from Maharshi Arvind Institute of Engineering & Technology, Jaipur. Prior to her position at IcfaiTech, she served as a Teaching Assistant at Manipal University Jaipur (2023–2026) and spent nearly eight years as a faculty member delivering high-quality undergraduate and postgraduate instruction under the University of Rajasthan.

Her research portfolio centers around computer vision, feature extraction methodologies, and the application of artificial intelligence to art analysis and digital humanities. Her work includes novel frameworks for modeling and classifying color complexity in art movements, integrating handcrafted features with Vision-Language Models (VLMs) for art recognition, and comprehensive surveys on feature extraction evolution published in top-tier journals such as Elsevier, Engineering Applications of Artificial Intelligence (Q1, IF High Impact). Additionally, she has authored high-impact conference publications in IEEE SISIMPACT, ICDSA, and IOP Conference Series, alongside contributing research on machine learning-based rumor detection on social media platforms.

Beyond research and teaching, Ms. Sharma has demonstrated significant scholarly leadership and active engagement with the academic community. She has authored a

recognized textbook on Data Structures published by College Book House for undergraduate curricula, served as a resource person for State-Level Faculty Development Programs organized by the Commissionerate of College Education, Rajasthan, and actively organized major international symposia. She holds prestigious certifications, including SLET (State Level Eligibility Test) qualification in Computer Science Applications and IBM DB2 V9 Certification, alongside a proven track record of institutional leadership and academic event management.