Kapil Dev Raghuwanshi

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Profile

Kapil Dev Raghuwanshi is a Computer Science and Engineering academic, researcher, and Ph.D. scholar with **more than fifteen years of experience** teaching and conducting research at engineering institutions across India. He currently serves as **Assistant Professor** in the Department of Computer Science & Engineering at **IcfaiTech, The ICFAI University, Jaipur**, having previously held faculty positions at Parul University (Vadodara), Swarrnim Startup & Innovation University (Gandhinagar), and TRUBA Institute of Engineering & IT, Sagar Institute of Science and Technology, and Bansal Institute of Science and Technology, all in Bhopal. Across this career, he has taught a broad range of core subjects, including Compiler Design, Computer Networks, Object-Oriented Programming, Database Management Systems, Design and Analysis of Algorithms, and Machine Learning, while personally guiding **more than 47 undergraduate major and minor engineering projects**.

His research in recent years has focused on applying machine learning and deep learning to real diagnostic and public-health problems, resulting in an active publication record across **Springer, IEEE Xplore, and Scopus-indexed venues**. Notable recent work includes **DL-CADNet**, a deep learning framework for diagnosing coronary artery disease from SPECT imaging, a related paper on neural network-based myocardial ischemia evaluation, and **GenoDense-Net**, a genomic analysis of a globally significant pathogen published as **corresponding author** in Tropical Diseases, Travel Medicine and Vaccines. He has also published on IoT-based water quality assessment, cloud security and authentication, and machine learning approaches to heart-disease detection, building on a publication history that extends back to his early research on cloud data encryption and wireless network security. Alongside his journal and conference work, he has co-authored **four books**, spanned information technology fundamentals, digital forensics, Python programming, and computer networks, and holds a **published patent** for a machine learning model that detects material corrosion to support civil infrastructure safety.

Kapil brings a similarly active profile to academic service: he has served as **Assistant Editor of the International Journal of Engineering in Computer Science (IJECS)** since July 2025, and as a peer reviewer for IEEE- and Springer-sponsored international conferences, including ETNCC (2024, 2025) and IC3IA (2025). He holds **Oracle certifications** in Java Foundations and Cloud Infrastructure Foundations, and is a member of the International Association of Engineers (IAENG), Hong Kong, and the Universal Association of Computer & Electronics Engineers (UACEE). In 2026, he **qualified GATE in Computer Science & Information Technology with a score of 375 (AIR**

22943), and he has **twice been recognised by Parul University with a Certificate of Appreciation** for outstanding academic and research performance, in 2023 and 2024. He is currently completing his **Ph.D. in Computer Engineering at Indus University, Ahmedabad**.

Kapil's academic journey began in 2011 as an Assistant Professor at Truba Institute of Engineering and Information Technology in Bhopal, teaching foundational programming and computer science courses to undergraduate students. Over the following decade, he progressively took on more senior teaching and research responsibilities, moving through Bansal Institute of Science and Technology, Sagar Institute of Science and Technology, TRUBA Institute of Engineering & IT (TIEIT), and iNurture Education Solutions at Swarrnim Startup & Innovation University, before spending three years at Parul University from 2022 to 2025, and joining IcfaiTech, The ICFAI University, Jaipur, in July 2025. His **M.Tech dissertation examined hybrid ECIES-IBE attribute-based cloud data encryption and retrieval**, a foundation in computer networks and security that has continued to inform his later, more data-driven research direction in machine learning and deep learning.

Beyond teaching and research, Kapil has taken on a range of institutional leadership responsibilities, including **Deputy Director for Placement and Industry Collaboration at Parul University, Institute Coordinator for the Alumni Student Mentorship Program, Minor Project Coordinator, and NAAC Committee Member**, along with repeated appointments as Venue Committee Coordinator for university convocation ceremonies. Throughout his career, he has combined a hands-on, project-driven teaching style with sustained research output and institutional service, and continues to focus on producing applied research with real diagnostic and societal impact while preparing engineering students for a data-driven future.