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Profile

Maneesh Singhal is a Computer Science and Engineering academic whose career reflects a steady, sixteen-year commitment to teaching, student mentorship, and applied research in computing. He currently serves as Assistant Professor and Mentor Coordinator in the Department of Computer Science at IcfaiTech, The ICFAI University, Jaipur, where he teaches Computer System Architecture and Advanced Java Programming to BCA and MCA students. His classroom style blends systems-level rigor with hands-on software development instruction, an approach shaped by more than a decade and a half of full-time lecture, tutorial, and laboratory teaching across three engineering institutions in Rajasthan.

Maneesh's academic foundation is broad-based and progressively built. He began with a three-year Polytechnic Diploma in Electronics and Fiber Optics from the Government Polytechnic College, Jodhpur, completed in the first division in 2006. He went on to earn a Bachelor of Technology in Computer Science from UP Technical University, Lucknow, again in the first division, in 2009, and followed this with a Master of Technology in Computer Science from the Government Engineering College (University College of Engineering), Rajasthan Technical University, Kota, completed in the first division in 2014. He is currently pursuing a Ph.D. in Computer Science and Engineering at Amity University, Jaipur, a step that reflects his sustained commitment to formal scholarship even while carrying a full academic teaching load. This trajectory, from a hands-on diploma in electronics through undergraduate and postgraduate computer science degrees and now into doctoral research, illustrates an academic who has consistently paired practical grounding with deeper theoretical study.

His professional teaching career began in January 2012 at Arya College of Engineering & IT, Jaipur, an institution affiliated with Rajasthan Technical University, Kota, where he served as Assistant Professor in the Department of Computer Science for twelve years. In February 2024, he moved to Anand ICE, Jaipur, also RTU-affiliated, continuing as Assistant Professor for a year and a half before joining IcfaiTech, The ICFAI University, Jaipur, in July 2025 as Assistant Professor and Mentor Coordinator. Across these roles, his responsibilities have extended well beyond classroom delivery: he has coordinated

final-year student project work, organized and guided student seminars, run laboratory practical sessions, and counselled students and parents through the admissions process, building a reputation for a professional and approachable teaching style. As Mentor Coordinator, he now also plays a structured role in guiding students through academic and personal challenges, working alongside fellow faculty to strengthen the department's mentoring framework at IcfaiTech.

Maneesh's research interests lie chiefly in machine learning, data mining, and image processing. His paper, "Optimization of Naïve Bayes Data Mining Classification Algorithm," was published in the International Journal for Research in Applied Science and Engineering Technology (IJRASET), Volume 2, Issue VIII, in August 2014 (ISSN: 2321-9653). The paper examines ways to refine the performance of the Naïve Bayes classifier, a foundational algorithm in data mining, contributing practical insight into classification accuracy for large datasets. He extended his interest in computational analysis to the image processing domain with a book chapter, "Differential Division Mapper Model for Optimization of Retained Energy in Images Post Compression" (submission ID E17S11G33P8J-IS), submitted to the IIP Book Series "Futuristic Trends in Computing Technologies and Data Sciences," Volume 3, in 2023. This work addresses methods for retaining image energy and fidelity through compression, a problem of continuing relevance to efficient data storage and transmission.

Beyond mainstream computer science research, Maneesh has also authored a book, "Digital Marketing for Beginners," published by Walnet Publication under ISBN 978-935911104-9. The book reflects an interdisciplinary streak that connects his technical background with an interest in business communication and the fundamentals of digital marketing for early learners, broadening his contribution beyond the core computer science curriculum.

Maneesh's work in applied innovation extends to intellectual property as well. He is a co-inventor on a registered design, "Automated Cybersecurity Threat Detection and Response Device" (Design No. 481388-001, Serial No. 234628), registered with the Design Office on 24 November 2025 in Class 14-02 under the Designs Act, 2000 and the Designs Rules, 2001. The design was registered jointly with Dr Naheeda Zaib, Nidhi Mangal, Prof. Dr Kirandeep Singh, Nidhi Maharishi, and Dr Gyan Prabhakar, reflecting his engagement in collaborative, applied research at the intersection of cybersecurity and device design.

Maneesh has maintained a consistent record of professional upskilling. He is NPTEL-certified in "Introduction to Internet of Things," which he completed with a score of 73 percent between January and April 2024. Alongside this, he has completed a series of faculty development programs (FDPs) and workshops spanning several years and emerging technology areas: "Design Thinking for Healthcare Innovation," run under TechSaksham, NPTEL-AICTE, NITTTR and ATAL in February 2025; "Application of IoT – Project Based" in February 2025; "Full Stack Web Development" in January 2024; "Artificial Intelligence" in February 2023; a second program on "Full Stack Web Development" in February 2023; "Cloud Computing" in January–February 2023; "Recent Trends in Machine Learning for Artificial Intelligence," organized by the

Department of CSE at Sanmati Engineering College, Washim, in July 2023; and "Introduction to Soft Computing," organized by the Department of Mechatronics Engineering at Rajalakshmi Engineering College, Chennai, in June 2020. More recently, he completed an 8-day Faculty Development Programme on "NEP-2020: Orientation & Sensitization" under the Malaviya Mission – Teacher Training Programme (MM-TTP) of the University Grants Commission (UGC), Ministry of Education, organized by Jai Narayan Vyas University, Jodhpur, Rajasthan, from 19–29 June 2026, earning an A+ grade and 2 credits under the National Credit Framework (NCrF). Taken together, this sequence of certifications shows a faculty member who has continually renewed his technical and pedagogical knowledge in step with evolving trends in artificial intelligence, cloud computing, full-stack development, and national education policy, rather than relying solely on his founding qualifications.

His engagement with the wider academic community includes participation in AICTE-recognized programs organized by the National Institute of Technical Teacher Training and Research (NITTTR), Chandigarh — an "Induction Training Programme through ICT" in February 2013 and a program on "Soft Computing through ICT" in November 2013 — as well as a two-day seminar on "Technical Terminology in Engineering & Science," organized by the Commission for Scientific and Technical Terminology under the Ministry of Human Resource Development (Department of Higher Education), New Delhi, in May 2014.

Taken as a whole, Maneesh Singhal's profile is that of a long-serving computer science educator who has combined sustained classroom teaching with steady, if focused, contributions to research in data mining and image processing, a published book, and continual professional development through certifications and faculty development programs. His subject expertise in Computer System Architecture gives students a firm grounding in how computing systems are organized and operate at the hardware-software boundary, while his teaching of Advanced Java Programming equips them with practical, industry-relevant software development skills — together reflecting the balance of conceptual depth and applied competence that has defined his sixteen years in the classroom. His current role as Mentor Coordinator at IcfaiTech, alongside his ongoing doctoral work at Amity University, Jaipur, positions him to keep extending both his teaching practice and his research footprint in the years ahead.