



Gopal Patidar

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Assistant Professor

Computer Science & Engineering

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Profile

Mr. Gopal Patidar is a dedicated Assistant Professor in Computer Science and Engineering with around 18 years of experience in teaching, academic administration, student mentoring, research, curriculum development, and technical training. He is currently associated with The ICFAI University, Jaipur, where he has been serving as an Assistant Professor since 2023. His professional interests include Computer Science, Artificial Intelligence, Machine Learning, Cybersecurity, Data Science, Software Development, Computer Architecture, Operating Systems, and Programming.

His teaching approach emphasizes practical learning, problem solving, innovation, research aptitude, and industry relevance. He actively supports students through academic mentoring, counseling, project guidance, internship guidance, technical training, certification activities, and research-oriented learning. He is committed to creating a positive academic environment that encourages students to develop technical competence and lifelong learning skills.

At The ICFAI University, Jaipur, Mr. Patidar contributes to teaching and laboratory sessions, student mentoring, industry collaboration, internship guidance, technical events, hackathons, coding competitions, guest lectures, and student outreach. He has also contributed as a faculty advisor for student societies, technical groups, coding activities, and research-oriented student initiatives.

Mr. Patidar is pursuing a Ph.D. in Computer Science and Engineering at the National Institute of Technology, Silchar, with research interests in Cybersecurity and Machine Learning. He completed his M.Tech. in Computer Science and Engineering from Barkatullah University Institute of Technology, Bhopal, in 2013, and his B.E. in Computer Science and Engineering in 2008. He completed his Diploma in Computer Science and Engineering in 2005.

His technical expertise includes C, C++, Java, Python, Data Structures, Operating Systems, Machine Learning, Data Science, Computer System Organization, Advanced Computer Architecture, Theory of Computation, web technologies, and computer hardware installation and troubleshooting. He has also worked with tools and technologies including HTML, Figma, Macromedia Flash, CorelDRAW, and Photoshop. His academic strengths include mentoring students, teaching excellence, student counseling, syllabus development, professional networking, organization, and student research guidance.

To use his knowledge and passion for teaching Computer Science and Engineering to inspire students, promote meaningful learning, and encourage innovation. His aim is to support academic excellence, create a positive learning environment, remain updated with emerging technologies, and contribute to shaping future engineers and technologists.

Mr. Patidar's research interests are centered on Machine Learning, Artificial Intelligence, Cybersecurity, Data Mining, intelligent computing, and practical applications of emerging technologies. His research work demonstrates an interest in applying computational and machine learning approaches to real-world problems, while also encouraging students to develop research-oriented thinking.

His research contributions include the Scopus-indexed conference paper “A Review on Medical Image Data Compression Techniques,” presented at the 2nd International Conference on Data, Engineering, and Applications (IDEA 2020) and published by IEEE, DOI: 10.1109/IDEA49133.2020.9170679. He also published “Improved Apriori Algorithm for Web Log Data” at the Sixth International Conference on Recent Trends in Information Processing & Computing (IPC 2017).

Other research contributions include “An Approach for Document Clustering Using Agglomerative Clustering and Hebbian-Type Neural Network,” published in the International Journal of Computer Applications in 2013; “A Performance based Multi-relational Data Mining Technique,” published in the International Journal of Advanced Research in Computer Science in 2010; and research on “Problem in Three Dimensional Wireless Sensor Network,” presented at a national conference in 2011.

Mr. Patidar is the author of the book “Essentials of Information Technology,” published by AGPH Books with ISBN 978-93-95468-13-8. He has also contributed the book chapter “Ordered Ensemble Classifier Chain for Image and Emotion Classification,” published in Springer’s Lecture Notes on Data Engineering and Communications Technologies book series, DOI: 10.1007/978-981-16-9416-5_28.

His intellectual property contributions include the patent “A Machine Learning-Implemented System and Method for Corona Recognition Based on Visible Light Color,” Application Number 202211023357. He has also published the patent “Internet of Things-Based System to Assist Paralyzed Persons Using Artificial Intelligence,” Application Number 202211020098. These contributions reflect his interest in applying Artificial Intelligence and Internet of Things technologies to practical and socially relevant problems.

Mr. Patidar has completed professional certifications and online learning programs in Oracle Cloud Infrastructure Foundations, Java Programming through NPTEL, Introduction to Cloud through IBM Cognitive AI, Operating Systems through Saylor Academy, AI and cognitive computing through IBM Cognitive AI, Java Programming through Great Learning Academy, and HTML Fundamentals through SoloLearn. These programs complement his teaching and technical expertise across programming, cloud computing, operating systems, web development, and Artificial Intelligence.

His teaching and academic contributions have been recognized through multiple awards. He received the Best Faculty Award in 2021 for outstanding performance in teaching and administrative work from TRUBA (TIEIT), Bhopal. He received the Srijan Award in 2020 for outstanding performance in Java Programming, the Srijan Award in 2019 for excellence in Analysis & Design of Algorithms and Data Communication, the Best Faculty Award in 2018 for teaching and administrative performance, and Srijan Awards in 2018 and 2017 for work in Computer System Organization and Advanced Computer Architecture.

Mr. Patidar aims to strengthen research culture and industry interaction among students by encouraging research-oriented learning, developing quality course materials, organizing seminars and conferences, promoting technical training, and creating opportunities for practical exposure. His long-term academic vision is to bridge classroom education, research, emerging technologies, and industry requirements while contributing to the development of skilled, innovative, and socially responsible Computer Science professionals.