



Abhinav Pandey

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Profile

Abhinav Pandey is an Assistant Professor in the Department of Computer Science & Engineering at The ICFAI University, Jaipur, bringing 17.17 years of continuous teaching experience across engineering and polytechnic institutions in Madhya Pradesh and Rajasthan. His career reflects a steady commitment to classroom teaching, curriculum delivery and, more recently, an expanding footprint in applied AI and machine learning research, aimed at combining hands-on academic experience with a growing research profile to shape a bright career for his students.

Abhinav's academic foundation is built on a B.E. in Computer Science & Engineering (2008) and an M.Tech. in Computer Science & Engineering (2023), both from the Vindhya Institute of Technology & Science (VITS), Satna, under Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal, and is supported by a valid GATE 2012 score. He is currently enrolled in a Ph.D. programme at the National Institute of Technology (NIT), Jalandhar, extending his academic training to the doctoral level. His M.Tech. research examined an adaptive, energy-efficient, location-aware routing approach combining AODV and Ant Colony Optimization for disaster-resilient Mobile Ad hoc Networks, reflecting an early interest in optimisation and intelligent systems that has since extended into his current machine learning and AI-focused work. Taken together, his education spans a Ph.D. in progress at NIT Jalandhar, an M.Tech. and a B.E. in Computer Science & Engineering from VITS, Satna under RGPV Bhopal (2023 and 2008 respectively), a valid GATE 2012 score, Intermediate in 2004, and High School in 2001.

Since January 2024, Abhinav has served as Assistant Professor at The ICFAI University, Jaipur. Before joining ICFAI, he spent nearly seven years as Assistant Professor at VITS, Satna (2017–2024), following earlier roles as Lecturer at the Aditya College of Technology & Science, Satna (2015–2017), Guest Lecturer at the Government Polytechnic College, Satna (2014–2015), and Lecturer at the Swami Vivekanand College of Science & Technology, Bhopal (2009–2014). Across these roles he has regularly taught core computer science subjects including Data Structures, Analysis and Design of Algorithms, Theory of Computation, Principles of Compiler Design, and Database Management Systems.

Abhinav's research increasingly spans machine learning, cloud security, explainable AI and emerging computing paradigms. His work "Achieving Cloud Security Solutions based on Machine Learning and Past Information" is published and indexed, while further contributions on deep learning for automated medical imaging, quantum computing for high-dimensional genomic data processing, explainable AI for concrete compressive strength prediction, and an AI-based real-time adaptive traffic control system ("Traffix") have been accepted at international conferences in 2025, including venues in Malaysia, Bali and Jaipur. This research activity is complemented by a filed Indian Design Patent, "Cloud Integrated Machine Learning Apparatus for Smart Automation" (Application No. 451004-001), and by participation in the International Conference on Electronics, AI & Robotics held in the Republic of Korea in July 2025.

Beyond teaching and research, Abhinav contributes to departmental administration as Academic Coordinator of the B.Tech programme, ICT Academy Coordinator, and IP Committee Member, and helped prepare the proceedings for the International Conference on Futuristic Aspects in Science and Engineering, Jaipur (2025). He continues to build his technical and pedagogical skills through recent faculty development programmes on Microsoft Power BI Data Analyst Associate, Salesforce Administration, and Microsoft's "CyberShikshaa for Educators" cybersecurity programme, alongside an earlier certification in core Java development from NIIT. In terms of recognition, he holds a valid GATE 2012 score, has one Indian Design Patent filed for a Cloud Integrated Machine Learning Apparatus for Smart Automation (Application No. 451004-001), and was a delegate at the International Conference on Electronics, AI & Robotics held in hybrid mode in the Republic of Korea in July 2025.

Education

Degree	Institution	Year
Ph.D. (pursuing)	National Institute of Technology, Jalandhar	Enrolled
M.Tech. (Comp. Sc. & Engg.)	VITS, Satna (RGPV Bhopal)	2023
B.E. (Comp. Sc. & Engg.)	VITS, Satna (RGPV Bhopal)	2008
Intermediate	—	2004
High School	—	2001

Selected Recognition

- GATE 2012 qualified, with a valid score card.
- 1 Indian Design Patent filed: "Cloud Integrated Machine Learning Apparatus for Smart Automation" (Application No. 451004-001).
- Delegate, International Conference on Electronics, AI & Robotics, Republic of Korea, July 2025 (hybrid mode).