

Dr. Sumedh N. Pundkar

Assistant Professor, Computer Science & Technology
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Profile Summary

Dedicated academician with 24+ years of teaching, research, and academic leadership in Computer Science & Technology. Expertise in Software Engineering, Java, Information Security, Distributed Systems, and Machine Learning. Proven track record as Head of Department, Project Coordinator, and Examination In-charge. Published 35+ research papers in reputed international conferences and journals, along with a Book Chapter (IGI Global, 2024).

Areas of Expertise

- Software Engineering & Object-Oriented Design
- Java, C, C++, Python, UML
- Cloud Computing & Cyber Security
- Machine Learning & Data Science
- Distributed Systems

Professional Experience

Assistant Professor

Usha Mittal Institute of Technology, SNDT Women's University, Mumbai
Nov 2000 – Present

- Teaching UG & PG courses: Java, Software Engineering, UML, OOP, Distributed Systems, Information Security
- Served as Head of Department for 9 years (2009–2018)
- Coordinated ISTE-sponsored STTPs, B.Tech Projects, and Scholarship Schemes
- Examination In-charge in Autonomous Institute for 3 years

Center Head

IGM Computer, Amravati

May 1999 – Oct 2000

- Managed center operations, training programs, and faculty

Education

Degree	Institute	University	Year / Result
Ph.D. in Computer Science and Engg.	--	Madhyanchal Professional University Bhopal	23 rd August 2025
M.E. Computer Engineering	Thadomal Shahani College of Engineering	Mumbai Univ.	2007, First Class (64%)
B.E. Computer Science & Engg	Govt. College of Engg, Amravati	Amravati Univ.	1999, 60.7%

Technical Skills

- Languages: C, C++, Java, Python (Intermediate)
- Databases: MySQL, MS Access
- OS: Windows (Expert), Linux (Beginner)
- Applications: UML Tools

Research & Publications

- 35+ Publications in IEEE, Springer, IGI Global, and Scopus Indexed Journals
- Book Chapter (2024): Quantum Cryptography Federated Learning for Fraud Detection – IGI Global
- Recent: Enhancing Fraud Detection in Imbalanced Data using Federated SMOTE-ADA Boost – Springer ICDEA 2024
- Detailed list available on request / annexure

Faculty Development / STTP

- Attended 17+ FDPs/STTPs on Cloud Computing, Machine Learning, NLP, Information Security, Neural Networks
- Highlights: IIT Kharagpur (Algorithms, 2015), VJTI (Info Security, 2013), UGC-CEC New Delhi (Adaptive Learning, 2006)

Online Certifications

- Cyber Threats & Attack Vectors – Coursera
- AWS Fundamentals: Security – Coursera
- Machine Learning with Python – Cognitive Class
- Data Science Hands-On – Cognitive Class

Professional Contributions

- Guided 50+ UG Projects and 10+ PG Dissertations
- Organized FDPs, Workshops, and Technical Events at UMIT
- Member of examination, research, and academic committees

Personal Details

- Date of Birth: 17 Sept 1976
- Nationality: Indian
- Languages: English, Hindi, Marathi
- Hobbies: Reading, Music, Cricket