



Prof. (Dr.) Amit P. Ganatra

Provost | Professor | Researcher
Consultant | Innovator | Academic Leader

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Professional Summary

Dynamic and accomplished academic leader with over 25 years of experience in higher education, research, and administration. Currently serving as Provost at Parul University, Vadodara, with a proven track record in driving academic excellence, fostering research innovation, and building industry-academia collaborations. Expertise in Data Warehousing, Data Mining, Artificial Intelligence, Machine Learning, and Big Data Analytics. Recognized for impactful research, with 181+ publications, 6600+ citations, and an h-index of 69. Passionate about mentoring students, guiding PhD scholars, and contributing to the advancement of technology and education.

Key Skills

Research Expertise: Data Mining, AI, Machine Learning, Big Data Analytics, IoT, Block-chain

Teaching: 25+ years at UG level, 21+ years at PG level

Leadership: Academic Administration, Curriculum Development, Accreditation, Industry Collaboration

Technical Proficiency: Python, R, Java, C++, SQL, Hadoop, MongoDB, TensorFlow, Spark

Consulting: Research Projects, Patent Development, Industry Partnerships

Professional Experience

Provost

Parul University, Vadodara, Gujarat

Aug 2022 – Present

- Oversee academic and administrative operations, ensuring alignment with global standards.
- Spearhead initiatives to enhance research output, industry collaborations, and student employability.
- Drive digital transformation in education, leveraging AI, IoT, and blockchain technologies.

Dean, Faculty of Technology & Engineering (FTE)

Parul University, Vadodara, Gujarat

Feb 2011 – Jul 2022

- Led the development of super-specialty labs in AI, ML, and IoT.
- Coordinated academic programs, ensuring compliance with accreditation standards (NBA, NAAC).
- Established MoUs with leading organizations like NVIDIA, ABB India, and Military College of Telecommunication Engineering.

Principal

Devang Patel Institute of Advance Technology & Research (DEPSTAR), CHARUSAT

Feb 2017 – Jul 2022

- Transformed DEPSTAR into a hub for advanced research in AI, ML, and IoT.
- Secured funding for research projects, including an AICTE-sponsored IoT project worth INR 8 lakhs.
- Mentored students and faculty, resulting in 150+ industry projects and 100+ dissertations.



Professor & Head of Department

U & P U. Patel Department of Computer Engineering, CHARUSAT

Apr 2001 – Jun 2019

- Delivered courses in Data Warehousing, Data Mining, Big Data Analytics, and Object-Oriented Design.
- Supervised 15+ PhD scholars and guided 100+ dissertations.
- Published 130+ research papers in reputed journals and conferences.

Visiting Faculty

Ahmedabad University, IIIT Vadodara, Dharmsinh Desai University

2004 – 2022

- Taught advanced courses in Research Methodology, Data Analytics, and Machine Learning.
- Conducted workshops and training programs on cutting-edge technologies.

Education

Ph.D. in Computer Engineering

Kadi Sarva Vishwa Vidyalaya, Gandhinagar, Gujarat

Thesis: Information Fusion in Data Warehousing & Data Mining (2012)

M.E. in Computer Engineering

DDIT, Dharmsinh Desai University, Nadiad, Gujarat (2004)

B.E. in Computer Engineering

DDIT, Dharmsinh Desai University, Nadiad, Gujarat (2000)



Awards & Recognitions

- Achievers Award for contributions to Academics and Educational Management (2020)
- Best Digital Transformation in Education by GESIA IT Awards (2019)
- CHARUSAT Research Paper Award (2018- 2025)
- Fellow Member, International Research Organization for Science, Engineering, and Technology

Overall Research Data

	Citations	H- index	i-10 index	Number of Publications
Google Scholars	3010	25	52	175
Research Gate	2363	24		181
SCOPUS	547	12		84
Web of Science	332	08		54
Sci	182			40
IEEE XPLORE	196			28
Total	6630	69	52	181
Verified Peer Reviews				78
Publications Grants				14

Research & Publications

Publications: 181+ research papers in Scopus, WoS, and IEEE-indexed journals.

Citations: 6600+ | h-index: 69 | i10-index: 52

Key Research Areas: AI, ML, Data Mining, Big Data Analytics, IoT, Block-chain

Patents:

- A System for Personalized Recommendation Healthcare Center Finding (2024)
- The System and Apparatus for Cardiosys for Revolutionizing IOMT (2023)
- AI-Based Method for Recognizing Abnormal Vehicle Activity (2022)

Consultancy & Projects

Multi-Centric NTF Project: Integrated Emergency Care Systems (ICMR-funded, INR 2.04 Crores, 2023–2026)

AICTE RPS Project: IoT-Based Water Quality Testing (INR 8 Lakhs, 2019–2022)

NVIDIA Collaboration: Real-Time Indian Vehicle Detection using Deep Learning (2020–Present)

Military College of Telecommunication Engineering: AI-Based Video Surveillance Systems (2020–2021)

Professional Memberships

- Senior Member, **IEEE**
- Member, **ACM** and **Computer Society of India (CSI)**
- Reviewer for **MDPI Journals**, **PeerJ Computer Science**, and **IEEE Conferences**

International Exposure

- Represented Gujarat in the Study in Gujarat (SIG) campaign across the Middle East (2020).
- Presented research at international conferences in Malaysia, Ghana, and the UAE.
- Visited Hong Kong, Thailand, Singapore, and the Maldives for academic collaborations.

Key Achievements

- Established **10+ MoUs** with industry leaders.
- Secured **4+ patents** in AI, IoT, and healthcare technologies.
- Mentored **15+ PhD scholars** and supervised **100+ dissertations**.
- Delivered **400+ expert lectures** and **300+ workshops**.

Languages

English (Professional Proficiency) | **Gujarati** (Native) | **Hindi** (Fluent)

