

DR. SYED ARFATH AHMED

Assistant Professor | Department of Computer Science & Engineering | MANUU
Polytechnic, Hyderabad

Email: arfathahmed@manuu.edu.in | Mobile: 9491742608



PROFESSIONAL PROFILE

Computer Science & Engineering academic with extensive experience in teaching, academic administration, examination management, student mentoring, institutional development and research. Joined Maulana Azad National Urdu University (MANUU) on 13 December 2011. Research interests include Machine Learning, Artificial Intelligence, Computer Vision, Intelligent Transportation Systems, IoT, Semantic Web, Deepfake Detection and AI-enabled educational applications.

CAREER OBJECTIVE

To contribute to excellence in technical education, strengthen research and innovation, mentor students, promote industry-academia collaboration, and support the development of a modern, inclusive and future-ready technical education ecosystem.

CURRENT POSITION

Assistant Professor, Department of Computer Science & Engineering, School of Engineering & Technology, MANUU, Hyderabad.

Initial appointment in MANUU: 13-12-2011.

ACADEMIC QUALIFICATIONS

Qualification	University/Board	Year	Discipline
Ph.D.	Mewar University	2024	Number Plate and Logo Identification Using Machine Learning Approaches
M.Tech.	JNTU, Hyderabad	2009	Computer Science & Engineering
B.Tech.	JNTU, Hyderabad	2007	Computer Science & Engineering
10+2	Board of Intermediate Education, Hyderabad	2003	Mathematics, Physics, Chemistry
SSC	Board of Secondary Education	2001	

RESEARCH PUBLICATIONS

S.No.	Year	Publication	Journal / Conference	Scopus / UGC-CARE	Citations
1	2025	Automating Grading to Enhance Student Feedback and Efficiency in Higher Education with a Hybrid Ensemble	IEEE GINOTECH	Scopus	4

S.No.	Year	Publication	Journal / Conference	Scopus / UGC-CARE	Citations
		Learning Model			
2	2025	ML Use in Fraud Detection in the Financial Sector	Utilizing AI and Machine Learning in Financial Analysis	Scopus	2
3	2024	Optimised Energy-Aware AI Algorithms for IoT Enabled Smart Grids	Journal of Environmental Protection and Ecology	Scopus	6
4	2024	Lung Cancer Detection Using Regularized Extreme Learning Machine and PCA Features	Journal of Computer Science	Scopus	3
5	2024	Analysis of Unmanned Aerial Vehicle Communication Performance with Optic Sensor Integration	Measurement: Sensors	Scopus	3
6	2024	Number Plate and Logo Identification Using Machine Learning Approaches	Journal of Theoretical and Applied Information Technology	Scopus / Verify	2
7	2024	Machine Learning Classifiers to Predict the Quality of Semantic Web Queries	The Scientific Temper	Verify	2
8	2024	Ensemble Machine Learning Method for Detecting Deep Fakes in Social Platform	ICTACT Journal on Image & Video Processing	Verify	1
9	2024	Securing and Advancing Road Safety in Intelligent Vehicular Networks for Seamless and Secure Communication	ICTACT Journal on Communication Technology	Verify	—
10	2024	Enhancing AI Model Security Using a Hardware-Based Approach for Protecting FPGA Implementation	ICTACT Journal on Microelectronics	Verify	—
11	2019	Segmentation & Recognition of Vehicle Number Plate Characters Using Binarization & Edge Detection Mechanisms	International Journal of Research and Analytical Reviews	UGC-CARE/Verify	—
12	2018	A Survey on Vehicle Number Plate Recognition in Visual Surveillance Application	International Journal of Analytical and Experimental Modal Analysis	UGC-CARE/Verify	—

MINOR RESEARCH PROJECT – MiRP

Title: “Edge-AI Based Computer Vision for Predictive Urban Traffic Congestion, Near-Miss Detection and Adaptive Traffic Signal Prioritization.”

Focus: Edge Artificial Intelligence, Computer Vision, traffic-congestion prediction, near-miss detection and adaptive traffic-signal prioritization.

It integrates AI/ML, image processing, computer vision, edge computing, data analytics and intelligent decision-making.

Proposed contribution: development of an intelligent, predictive and responsive urban traffic-management framework.

RESEARCH AREAS / SPECIALIZATION

Computer Science with focus on Programming, Software Engineering and System-Level Concepts.

Machine Learning and Artificial Intelligence

Computer Vision and Image Processing

Intelligent Vehicular Networks / V2X

IoT and Smart Systems

Semantic Web and Query Quality

AI-enabled Educational Technology

FACULTY DEVELOPMENT / PROFESSIONAL DEVELOPMENT

Programme	Organising Agency	Period	Duration
Refresher Course in Computer Science & Information Technology	UGC-HRDC, MANUU	21-07-2022 to 03-08-2022	2 Weeks
FDP on “Emerging Research Trends in Computer Science”	Department of CS&IT, MANUU	16-01-2024 to 20-01-2024	1 Week
Online Orientation & Sensitization Programme on NEP-2020	UGC-Malaviya Mission Teachers Training Center (MMTTC), MANUU	04-03-2024 to 13-03-2024	2 Weeks
Industrial Training for Faculty	BSNL, RTTC, Hyderabad	03-04-2023 to 21-04-2023	3 Weeks
Yoga Therapy for Well-being and Good Health	MANUU	11-04-2022 to 31-01-2023	88 Days

ACADEMIC & ADMINISTRATIVE RESPONSIBILITIES

- I/c Examinations / examination-related academic administration and coordination.
- Academic Coordinator, Polytechnic, Hyderabad (07-11-2017 to 07-11-2020).
- Assistant COE, Examination (03-10-2017 to 02-10-2021).

- **Technical Coordinator, Directorate of Distance Education (from 08-05-2023).**
- **Assistant Director, Directorate of Admissions (from 21-05-2025).**
- Class coordination, student counselling and mentoring.
- AICTE-related academic and institutional work.
- Summer Internship and Major Project coordination.
- Minor Project coordination.
- Computer Hardware & Networking Laboratory In-charge.
- IQAC, Disciplinary Committee and institutional committee activities.
- Entrance Test coordination and student support.
- NDLI Club and academic resource activities.
- Invigilation, question-paper setting, answer-script evaluation and practical examinations.
- Moderation and upload of marks through university examination systems.
- Participation in institutional awareness programmes including Swachhata Pakhwada, Swachh Bharat Abhiyan, Vigilance Week and Yoga Diwas.

VISION FOR POLYTECHNIC / SCHOOL

To develop a quality technical institution known for innovation, discipline and inclusive Urdu-medium technical education; strengthen industry linkages, skill-based and hands-on learning, faculty development, digital teaching, research culture and entrepreneurship; and prepare students to meet professional and global standards.

CONTRIBUTION TO POLYTECHNIC / SCHOOL / DISCIPLINE / UNIVERSITY

Contributions include student-centred technical education, skill-based learning, modern teaching methods, laboratory and practical orientation, curriculum enrichment, mentoring, research promotion, examination administration, committee participation, academic governance, seminars/workshops/training activities and institutional initiatives supporting academic quality and student development.

FUTURE ACADEMIC DEVELOPMENT PLAN

- Continuous professional learning through advanced certifications, FDPs and emerging technologies.
- Integration of blended learning, project-based learning and digital platforms.
- Curriculum enrichment aligned with industry needs and interdisciplinary skills.
- Stronger industry collaboration for internships, live projects, guest lectures and placements.
- Holistic student development through technical clubs, soft skills, entrepreneurship and career counselling.
- Strengthening research, quality assurance, accreditation and institutional academic processes.
- IEEE conference publication in GINOTECH 2025 on automated grading and student feedback.

PROFESSIONAL MEMBERSHIP

International Association of Engineers (IAENG/IEANG) membership is to be included in the final CV after cross-checking the current membership certificate/record.

LANGUAGES

- Urdu – Reading, Writing and Speaking: Yes.
- Academic/working languages include English and other languages as reflected in official service records.

PERSONAL DETAILS

- Date of Birth: 01-05-1986
- Father's Name: Syed Azhar Ahmed
- Present Place of Posting: Polytechnic, Hyderabad
- Discipline: Computer Science & Engineering

DECLARATION

I hereby declare that the information presented in this academic CV is based on my official records.

Dr. Syed Arfath Ahmed

Assistant Professor

Department of Computer Science & Engineering

School of Engineering & Technology

MANUU, Hyderabad