



MONIKA

Ph.D. Scholar | AI & Networking Researcher
Netaji Subhas University of Technology, New Delhi

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PROFESSIONAL OBJECTIVE

Dedicated researcher and educator with knowledge in AI, machine learning, network security, and smart transportation systems. Committed to advancing cutting-edge research while delivering high-quality education in Computer Science Engineering. Passionate about solving real-world problems through intelligent computing and secure communication networks.

EDUCATION

Ph.D. in Computer Science & Engineering

Netaji Subhas University of Technology (NSUT), New Delhi

Research Area: Smart Transportation | VANETs | AI-based Routing & Security

2021 – Pursuing

M.Tech in Computer Science & Engineering

DCRUST, Murthal

76% Marks | Dissertation: Optimized Routing in Wireless Body Area Networks (WBAN)

2017 – 2019

B.Tech in Computer Science & Engineering

DCRUST, Murthal

70% Marks

2012 – 2015

Diploma in Computer Engineering

GBN Govt. Polytechnic, Nilokheri

72% Marks

2009 – 2012

RESEARCH PUBLICATIONS & CONFERENCE PAPERS

Air Quality Prediction Using a Multioutput LSTM Model

ICNDSA-2025 – International Conference on NextGen Data Science & Analytics, CHRIST (Deemed University), Delhi NCR | IEEE UP Section

April 12, 2025

Automated Autism Detection: An Ensemble-Based Machine Learning Study

ICNDSA-2025 – International Conference on NextGen Data Science & Analytics, CHRIST (Deemed University), Delhi NCR | IEEE UP Section

April 12, 2025

ERSVPO: An Efficient Routing Scheme for VANETs Using PUMA Optimization

MAI-2025 – 5th International Conference on Machine Vision & Augmented Intelligence, MMMUT Gorakhpur

Dec. 20–21, 2025

Vision-Based Drowsiness Detection in Drivers Using Deep Learning

GCWCN-2025 – 2025 IEEE 3rd Global Conference on Wireless Computing and Networking, IEEE Bombay Section

Nov. 22–23, 2025

A Secure and Efficient Group Authentication Framework for Blockchain Enabled Vehicular Edge Computing Systems

2025 – 3rd International Conference on Disruptive Technologies, Department of Computer Science & Engineering, G. L. Bajaj Institute of Technology & Management, Greater Noida.

March 7-8, 2025

A Survey of Security Challenges and Emerging Solutions in VANETs

RCSM-2025 – 1st International Conference on Recent Trends in Computing and Smart Mobility, MANIT Bhopal | IEEE Conf. #67767

Dec. 5–6, 2025

ACADEMIC ACHIEVEMENTS

- NET-JRF Qualified – National Eligibility Test with Junior Research Fellowship
- GATE Qualified
- HTET Qualified – 2016 & 2021 (Haryana Teacher Eligibility Test)

PROFESSIONAL DEVELOPMENT & TRAINING

3rd Doctoral Symposium AY 2025–26

Apr.17 – 18, 2026

Computer Science & Engineering Area, NIIT University, Neemrana

FDP: AI Securities and Ethics Practices (AISEP)

Apr. 21–25, 2025

Electronics & ICT Academy, IIT Roorkee in association with NSUT, New Delhi

FDP: Pioneering Advances in NLP and Generative AI

Dec. 9 – 13, 2024

Department of Computer Science & Engineering, NSUT, New Delhi

FDP: Recent Technologies in Machine Learning & Security

Jul. 29 – 2, 2024

JIMS Engineering Management Technical Campus (JEMTEC) in collaboration with JNU Secure Computing Lab

FDP: Emerging Optimization Techniques for Engineering and Real-World Applications

Jul.15 – 19,,2024

Department of Information Technology, NSUT, Dwarka, Delhi

Advanced Entrepreneurship-Cum-Skill Development Programme (E-SDP)

Mar. 8 – 12, 2024

Ministry of MSME, Government of India ,Conducted by Department of Computer Science & Engineering, NIT (Sikkim)

National Level Workshop: Relevance of Blockchain & dApp in Current Trends

Apr. 24–28, 2023

Vishwakarma Institute of Information Technology, Pune (IEEE Computer Society, Pune Chapter)

AICTE ATAL FDP: Bio-Inspired Algorithms and Optimization Techniques

Dec. 6–10, 2021

AICTE Training and Learning (ATAL) Academy, NSUT, Dwarka, Delhi

TECHNICAL SKILLS

Domain	Technologies / Areas	Proficiency
AI / ML	Bio-Inspired Algorithms, Soft Computing Techniques	Research-Level
Networking	VANETs, WBANs, Routing Protocols, Security in Ad Hoc Networks	Research-Level
Databases	SQL Server, Data Management	Intermediate
OS & Tools	Windows, Linux, MS Office Suite	Proficient

KEY STRENGTHS

- Strong research acumen with publications at IEEE, Springer, and international venues
- Effective communicator with excellent written and verbal skills
- Quick learner, self-motivated, punctual, and collaborative team player
- Active participant in academic governance and student mentorship

Declaration: I hereby declare that the information provided above is true and correct to the best of my knowledge.

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