

Naval Kishor Sharma

+91 8770214270 | sharmakishornaval786@gmail.com

LinkedIn: [linkedin.com/in/navalkishorsharma-dev](https://www.linkedin.com/in/navalkishorsharma-dev)

Professional Summary

Aspiring AI/Data Engineer with experience in AI-based research and secure system development. Skilled in Python, Machine Learning, and backend development. Passionate about solving real-world problems using AI and data-driven solutions.

Technical Skills

Languages: Python, SQL

Frameworks: Flask

Tools: , GitHub

Concepts: Artificial Intelligence, Image Processing, Networking, RBAC, Encryption

Research Publications

AI-Driven Hybrid RF/FSO Communication Framework for Secure Smart Grid and EV Networks under Composite Fading

- Proposed a hybrid RF/FSO communication model under composite fading conditions
- Improved network reliability and security using AI-based optimization techniques
- Presented at IIIT-SURAT [RAIST-2026], 2026[Under Review]

AI-Enabled Joint Optimization of 6G Cognitive Radio Quality of Service and Hybrid Microgrid Energy Efficiency Using Federated and Reinforcement Learning

- Developed AI-based framework using federated learning and reinforcement learning
 - Optimized Quality of Service (QoS) and energy efficiency in next-gen networks
 - Presented at IIIT-SURAT [RAIST-2026], 2026[Under Review]
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Project

Image Filtration Using Gaussian and Median Filters

- Developed an image processing system using Gaussian and Median filters for noise reduction
- Improved image quality and clarity using MATLAB
- Applied concepts of digital image processing and optimization algorithms

Superstore Sales Dashboard Using Power BI

- Built an interactive business intelligence dashboard using Power BI for sales and profit analysis
 - Created KPI cards, charts, slicers, and data visualizations to generate business insights
 - Data analytics techniques for customer, product, and regional performance analysis
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Education

Madhav Institute of Technology and Science, Gwalior

B. Tech, Mathematics and Computing

CGPA: 6.78