

# Neeraj Mirashi

## Data Scientist | GenAI Engineer

neerajmirashi90@gmail.com | +91 9325257319 | linkedin.com/in/neeraj-mirashi | neeraj2.netlify.app |  
github.com/NeerajMirashi

### Summary

Data Scientist and GenAI Engineer with experience building LLM systems, ML models, and data pipelines across financial, automation, and robotics domains, specializing in RAG, feature engineering, time series forecasting, and AI-driven workflow orchestration for production environments.

### Experience

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|--|-------------------------------|
| <b>Software Engineer   Evolotek Solutions Pvt Ltd, Mumbai</b>  | October 2025 – Present        |
| - Architected multi-agent GenAI workflows for automated social content generation using LLM orchestration          |                               |
| - Extracted structured product data and images for 100K+ items through large-scale intelligent web scraping        |                               |
| - Transformed high-volume tabular datasets into analytics-ready CSVs using vectorized Python pipelines             |                               |
| <b>Software Engineer   Arthavedh Consulting Pvt Ltd, Pune</b>  | October 2024 – September 2025 |
| - Orchestrated distributed ETL workflows boosting financial throughput by 30 percent through flow-based ingestion  |                               |
| - Synthesized 2 million transaction records enabling feature engineering, trend analysis, and behavior modeling    |                               |
| - Deployed RAG systems integrating embeddings with semantic retrieval for context-aware financial responses        |                               |
| - Implemented autonomous LLM agents automating decision pipelines through reasoning chains and tool execution      |                               |
| <b>Software Engineer Intern   Arthavedh Consulting Pvt Ltd, Pune</b>   | March 2024 – September 2024   |
| - Fine-tuned LLaMA-3 using LoRA and QLoRA reaching 97 percent accuracy on banking message classification           |                               |
| - Trained SARIMA, Prophet, Random Forest and XGBoost models delivering stable forecast across time-series datasets |                               |
| - Integrated FastAPI services supporting scalable inference, secure authentication, and real-time data exchange    |                               |

### Skills

- **Programming & Backend:** Python, SQL, FastAPI, REST APIs, Microservices
- **AI & Data:** Machine Learning, Time Series forecasting, Feature Engineering, Langchain, RAG, Vector Embeddings, Apache NiFi, Pandas, NumPy, Docker, Azure AI, GitHub, Vector Databases

### Achievements

|   |      |
|---|------|
| - Rising Star Award at Arthavedh for delivering production-grade GenAI and data engineering solutions | 2025 |
| - AIR 1 at IIT Bombay e-Yantra for algorithm-driven robotics and embedded intelligence                | 2024 |
| - AIR 3 at IIT Bombay e-Yantra for real-time autonomous control system design                         | 2023 |
| - AIR 2 at PICT TechFiesta for applied machine learning based innovation                              | 2024 |

### Projects

|  |        |
|--|--------|
| - <b>Geo Guide (eYRC 2023-2024) : ESP32   Embedded C   CNN   Image Processing   GIS   Bot building</b>           | (Link) |
| Autonomous navigation robot using Dijkstra routing with wireless telemetry and vision-based obstacle recognition |        |
| - <b>Swatchhta Bot (eYRC 2022-2023): FPGA   Verilog   Parallel Computing   Path Planning   Bot Building</b>      | (Link) |
| Waste segregation rover with color detection, line tracking, and optimized traversal control                     |        |
| - <b>Encipher : HTML5   CSS   Javascript</b>   | (Link) |
| Secure web platform for real-time text encryption and decryption using browser-based cryptography                |        |

### Education

**Bachelor of Technology in Computer Science Engineering (AI/ML)**  
D.K.T.E Society's Textile and Engineering Institute | Shivaji University | 8.02 CGPA | 2024