

# Neeraj Mirashi

## Data Scientist | GenAI Engineer

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### Summary

Data Scientist and GenAI Engineer with hands-on experience designing and deploying production-grade LLM systems, RAG pipelines, and ML workflows across domains. Proven ability to build scalable data pipelines, fine-tune foundation models and orchestrate multi-agent AI systems delivering measurable business impact.

### Experience

<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 using intelligent web scraping pipelines	
- Built scalable cloud-native GenAI services on AWS using vector databases and API-based inference	
<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 transformer-based LLMs using Hugging Face reaching 97 percent accuracy on banking messages	
- 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

- **GenAI & LLMs:** LangChain, RAG, Hugging Face, Fine-tuning, LoRA & QLoRA, Multi-Agent Systems, MCP
- **Backend & Data Engineering:** Python, SQL, FastAPI, REST APIs, Microservices, Apache NiFi
- **Machine Learning:** Feature Engineering, Time Series Forecasting, SARIMA, Prophet, Random Forest, XGBoost
- **DevOps / MLOps:** Docker, Model Deployment, API Monitoring, Cloud Infrastructure (AWS), Git
- **Frameworks & Libraries:** Pandas, NumPy, Streamlit, Matplotlib, Seaborn

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

### Education

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