

# 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

**Software Engineer | Evolotek Solutions Pvt Ltd, Mumbai** 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

**Software Engineer | Arthavedh Consulting Pvt Ltd, Pune** 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

**Software Engineer Intern | Arthavedh Consulting Pvt Ltd, Pune** 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

- **Geo Guide (eYRC 2023-2024) :** ESP32 | Embedded C | CNN | Image Processing | GIS | Bot building [\(Link\)](#)  
Autonomous navigation robot using Dijkstra routing with wireless telemetry and vision-based obstacle recognition
- **Swatchhta Bot (eYRC 2022-2023):** FPGA | Verilog | Parallel Computing | Path Planning | Bot Building [\(Link\)](#)  
Waste segregation rover with color detection, line tracking, and optimized traversal control
- **Encipher :** HTML5 | CSS | Javascript [\(Link\)](#)  
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