

Lokranjan P

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PROFESSIONAL SUMMARY

Data Scientist with 1.8 years of experience building and productionizing ML, hybrid-GenAI systems for data-driven products. Experienced in orchestrating Large Language Model (LLM) pipelines, semantic retrieval, MLOps/DataOps and scalable data processing, with a track record of taking ML systems from experimentation to production and bringing compute/cost efficiencies.

EXPERIENCE

- MiQ Digital** Bengaluru, Karnataka
Data Scientist I January 2025 - Present
 - Audiences Agent for 1PD Data:** Implemented a real-time Agentic workflow to package IP Addresses, TV IDs, Hashed emails into custom defined Audiences with R-F-D scores and based on trader queries. Integrated data API's and Tools to orchestrate efficient Data snapshots for high context quality.
 - MLOps Pipeline Engineering:** Developed and productionized end-to-end MLOps/DataOps pipelines for automated data refresh and onboarding, leveraging Bedrock's Batch Inference to reduce monthly LLM token costs by 70% and eliminate LangChain dependency.
 - Creative-to-Audience Intelligence:** Orchestrated a real-time creative(image/video)-metadata pipeline that extracts, normalizes, and maps ad creatives to ideal IAB categories. Reduced manual audience selection time of traders by 50%.
 - Cross Encoder Fine-tuning:** Fine-tuned a MiniLM cross-encoder to mimic a roBERTa model for faster relevance score calculations with soft-labels and packaged it in MLFlow, evaluated against NDCG and MSE. This effectively reduced computation time by 40%.

TECHNICAL SKILLS

- Programming:** Python, PySpark, SQL(MySQL, PostgreSQL)
- Machine Learning:** XGBoost, MLflow, Scikit-learn, Hypothesis Testing
- AI & Search:** LangGraph, LangChain, FastMCP, Cross-Encoders, Embeddings, Semantic/Hybrid Search
- Cloud & Infrastructure:** AWS (S3, Bedrock, SageMaker), CI/CD, Git, Databricks

EDUCATION

- The National Institute of Engineering(NIE)** Mysuru, Karnataka
B.E in Information Science; CGPA: 8.6 December 2021 - September 2025

PROJECTS

- Personal Fitness Garmin-MCP Server (Dec 2025 – Feb 2026):**
Engineered a production-grade MCP server for Garmin Connect, providing unified access to real-time and historical fitness data through Garth's SSO-based data access layer; adopted by **2,000+ users**.
Designed a 15+ analytical tools layer spanning physiological and activity metrics including VO2 Max and HRV, with statistical analysis, trend detection, correlations, rolling metrics, and automated visualizations.
Built an automated delivery layer using SMTP, generating **daily, weekly, and monthly** performance reports with synthesized fitness insights and trend summaries delivered directly to users. ““
- ASTEROIDS-AI (May 2024 - October 2024):**
Developed a Reinforcement Learning agent for a spaceship in a Asteroids-style game and upgraded a baseline DQN to Transformer-Q Network.
Integrated attention for multi-object tracking; trained the agent on AWS SageMaker and designed custom reward-penalty logic for stable Q-learning.

NOTABLE ACHIEVEMENTS

- Best Individual Contributor – Q4 2025:** Awarded within MiQ for technical enhancements and Product impact in Q4 2025.
- Best Minor Project – 2024:** Recognized by the Department of Computer Science and Engineering, NIE for Best Minor Project across 240 teams.