Mynampati Sri Ranganadha Avinash

Bangalore | aviinashh.mynampati@gmail.com | +91-8008731789 | Portfolio | Linkedin | GitHub

Summary

Results-driven Machine Learning Engineer with hands-on experience in designing and deploying full-stack AI solutions for enterprise workflows. Proficient in Python, PyTorch, and FastAPI, with a focus on optimizing model performance, automating MLOps pipelines, and integrating scalable LLM tools. Certified in Google Cloud MLOps, I aim to deliver production-ready systems that streamline operations and drive measurable impact.

Education

EPITA School of Computer Science, Paris (Exchange Semester) in 2025   Research: Model Optimization
Presidency University, Bangalore – BTech CSE (Data Science) (2021-2025)   GPA:8.5/10

Skills & Technologies

- **LLMs & GenAI:** PyTorch, Hugging Face Transformers, LLM Fine-Tuning (LoRA/QLoRA), GPT-3.5/4, LangChain, RAG Pipelines, Model Optimization

- **Languages:** Python, SQL, Java, React (basic), Chakra UI, Bash

- **MLOps & Deployment:** FastAPI, Docker, AWS (EC2/S3), Google Cloud, A/B Testing, CI/CD Pipelines, Model Pruning

- **Data Engineering:** Pandas, NumPy, Vector Databases (Pinecone), NoSQL (MongoDB), Firebase

- **NLP Tools:** spaCy, NLTK, SentenceTransformers, OpenAI API, Prompt Engineering

- **Certifications:** Google Cloud MLOps, Gemini for Data Scientists

Internship Experience

Data Science Intern – Aviana Coaching Academy   Jun 2023 – Dec 2023

- Reduced onboarding time by 30% using an AI chatbot that automated 80% of student queries using Python, SQL, and AWS Lambda.
- Conducted real-time testing and automation, improving the reliability and usability of features. Applied NLP and feedback-based models to classify 100+ student responses, improving engagement by 15%.

Projects

Asthra MailGuard – Adaptive Email Agent   FastAPI, Logistic Regression, Hermes LLM

- Engineered Asthra MailGuard, a self-learning multi-agent email system utilizing ML classifiers and LLM fallback agents, which automatically labeled 95% of enterprise inbox emails with <1.5s latency and 84.2% accuracy.

Asthra Resume Agent – JD-Aligned Resume Builder   React, FastAPI, Hermes3, OCR

- Built GenAI agent to create ATS-friendly resumes by fine-tuning prompt templates and adding semantic parsing.
- Used OCR + keyword extraction + LLM recipes to align resume content with 92% JD match rate.
- Integrated agent recipes into EC2-deployed backend for scalable onboarding and edits.

RAG-Based Research Assistant   OpenAI API, Pinecone, React

- Developed lightweight RAG agents with fallback search for arXiv and PDF-based research queries.
- Documented each agent step with semantic breakdown, recipe tuning, and result evaluation.

Stock Market Volatility Predictor (LSTM + GRU + Prophet)

- Fetched and Predicted NVIDIA, Google and Apple(AAPL) volatility from 10 years of data. RMSE achieved = 4.69, live implemented using Streamlit + FastAPI.