HOYATH ALI S

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Summary

As a Machine Learning Engineer with 3+ years of experience at firms like Goldman Sachs, where I developed a fraud detection system that cut costs and losses by 25%, I am also experienced in cloud and backend development. Currently pursuing a Master's in CS at UC Riverside, I'm focused on using machine learning to solve complex problems and deliver significant value.

Education

University of California, Riverside   September 2023 – December 2024
M.s. in Computer Science   *GPA: 4/4*

Related Coursework: Machine Learning, Data Mining Techniques, Design and Analysis of Algorithms

Technical Skills

Languages: Python, Java Script, Java, SQL/NoSQL, HTML, CSS

Frameworks: PyTorch, HuggingFace, LangChain, CUDA, Scikit Learn, Pandas, Numpy, Matplotlib

Machine Learning: Deep Learning, NLP, LLM's, Computer Vision

Cloud/Devops: AWS (Sagemaker), Docker, Kubernetes

Certifications: Machine Learning - Coursera, OCJAP, AWS - CCP

Experience

Bluevoir Technologies   February 2023 – August 2023
Principal Engineer   *Hyderabad, India*

- Developed an ML-driven system with fine-tuned LLMs for real-time, context-aware clinical trial protocols, reducing protocol creation time by 30% and enhancing protocol quality by 40%.

Goldman Sachs   August 2021 – February 2023
Analyst - Consumer Wealth Management   *Hyderabad, India*

- Developed a machine learning fraud detection system for credit card transactions that enhanced financial security and operational efficiency by accurately identifying fraud, automating case routing, and triggering actions.
- Led the automation of dispute management workflows, achieving millions in savings and a 25% reduction in costs.

Pegasystems   July 2019 – July 2021
Technical Solutions Engineer   *Bangalore, India*

- Resolved 20+ Sev1 issues in Pega, preventing up to 72 hours of potential downtime for clients like JP Morgan, Ford, Siemens, and PayPal, thus avoiding significant revenue losses.

Projects

Phi AI: Low-Code/No-Code Logic Assistant (110+ Users) | *[Chrome Extension](#)*   June 2024 – July 2024

- Achieved a 30% reduction in logic-related errors by developing (Phi) AI, a Chrome extension that analyzes no-code logic on platforms like Pega, finding critical flaws, edge cases, and bugs.
- Implemented a real-time answering agent for domain-specific Pega queries using Retrieval-Augmented Generation (RAG) with Pinecone (cloud), optimizing performance through advanced prompt engineering.

Projects on Transformers: *Fine-tuned Transformers for sentimental Analysis (Bert), Next token prediction from scratch*

Achievements

- Widely recognized at Goldman Sachs for building a production monitoring system that increased the detection of issues before users reported them by 60%, leading to substantial cost savings and enhanced project efficiency.
- Received the Pave Excellence Award for providing over 100+ solutions to developers within the Pega Community on a wide range of tech stacks, recognizing outstanding contributions.