Siva Sai Giri Seelam

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Professional Summary

Machine Learning and AI Engineering undergraduate with strong expertise in Python, C++, deep learning, and generative AI models. Experienced in developing and fine-tuning LLMs, Retrieval-Augmented Generation (RAG) systems, and cloud-based AI workflows. Seeking to contribute to Qualcomm's core AI team with a strong foundation in system-level design, model optimization, and agentic systems.

Technical Skills

Programming Languages: Python, C++, JavaScript, SQL, HTML5, CSS3
ML & AI Frameworks: PyTorch, TensorFlow, Scikit-learn, Transformers, Langchain, LlamaIndex
Generative AI: LLM Fine-tuning, RAG Architectures, Prompt Engineering, Agentic Systems
Tools & Infrastructure: Docker, Git, VS Code, AWS, GCP, Azure, Vector Databases
Backend: Django, Node.js, RESTful APIs, Microservices Architecture
Data & DevOps: Power BI, Tableau, Jupyter Notebook, ML Ops Pipelines

Education

B.Tech, CSE (AI & ML) - VVIT Guntur	2022–Present
CPI: 7.9	
Diploma, Mechanical Engineering - APT	2019–2022
CPI: 9.3	
SSC - ZPHS Tatiparthi	2018–2019
GPA: 9.8	

Projects

Generative Resume Assistant (LLM + Langchain)
Built an AI-powered resume optimizer using Langchain and OpenAI API, integrated with a vector database for contextual embeddings and personalized output.

Career Advancement Platform
Developed a scalable job portal using Django and JavaScript. Integrated cloud-based resume parsing and applied ML models for job recommendations and candidate ranking.

Classroom Management System
Designed and deployed a Django web app for tracking attendance, assignments, and student metrics. Included real-time dashboard and notification system.

RAG-based Knowledge Retrieval Engine (Mini Project)
Developed a retrieval-augmented QA system using FAISS and LlamaIndex to connect LLMs with domain-specific documents.

Internship Experience

Networking Internship – AICTE   6 Months
Configured routers, firewalls, and optimized routing protocols (OSPF, BGP). Gained understanding of edge-cloud connectivity and secure networking principles.

Data Science Intern – APSSDC & IES   Feb–May 2024
Worked with large datasets, performed EDA and created ML pipelines using Python. Built dashboards in Tableau and Power BI.

Salesforce Developer Virtual Intern   6 Months
Developed Salesforce apps and workflows using LWC and Apex. Experience with platform automation and low-code AI tools.

Certifications

Google Cloud Certified Associate Cloud Engineer
Machine Learning Specialization (Coursera)
Generative AI with Transformers (Hugging Face)
Langchain for LLM App Development (DeepLearning.AI)

Relevant Coursework

Machine Learning, Deep Learning, Natural Language Processing, Reinforcement Learning, Computer Networks, Operating Systems

Strengths

Problem Solving, LLM Tuning, Agile Development, Vector Search, RAG Systems, Collaboration, AI Ethics