

Harish Vijayasarangan

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[linkedin](#) | [github](#)

Skills

Languages: Python, SQL ,C, C++ , Java, JavaScript

Technologies & Tools: AWS ,EC2 ,Pytorch ,TensorFlow , Fine-tuning, MCP, AI agentic frameworks, LLM, ,Git ,Github Docker , Image Segmentation, Jenkins, DevOps ci/cd pipeline, Rag ,Vector databases ,Kubernetes, REST APIs, WebSockets, Nginx, Postman, Anaconda ,Flask, FastAPI.

Project Work

RetinAI :

Developed a full-stack machine learning platform for detecting diabetic retinopathy using retinal fundus images. Architected a decoupled system where the ML model is hosted independently on a FastAPI server, exposing REST APIs for inference.

DSA-Finetune :

Fine-tuned(LoRA) llama 3.1 8b with an alpaca dataset with 20 k rows to solve Dsa problem with Python, The fine-tuned model was able to help solve 80% of easy to medium problems on LeetCode.

My Model has gotten 200+ downloads in Hugging Face.

DST :

A website with a custom enterprise chatbot built using a vision model (Llama 3.2) with custom knowledge, built using Flask and JavaScript to provide an interactive user experience dealing with EEG scent interference .

Work Experience

Sri Sairam Techno Incubator Foundation, Chennai

Feb 2025 - Present

Research And Development Intern

- Developed and scaled an Three-Tier Architecture for a production-grade application.
- Deployed the application on AWS EC2 and DigitalOcean droplets for better scalability.
- Performed fine-tuning on pre-trained models to optimize domain-specific performance.

Securden, Chennai

Jun 2024 - Jul 2024

SDE Intern

- Worked on credential management using Jenkins CI/CD pipeline to automate the process of creation ,updatation, deletion of credentials using Jenkins API
- Created various Pipelined Jobs and User management .Include DevOps in their workflow.

Education

Sri Sairam Institute of Technology

B.E. in Computer Science and Engineering

Global Certifications

Red Hat Certified System Administrator (RHCSA)

Expires Mar 2027