Harish Vijayasarangan

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linkedin / github

Skills

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

Technologies & Tools: LangChain, Fine-tuning, Microsoft's Autogen, CrewAI, AI agentic frameworks, LLM, Llama 3.2, Ollama, LMstudio, Docker , Image Segmentation, Jenkins, DevOps ci/cd pipeline, Rag ,Vector databases ,Flask, Html, css.

Project Work

• **Finetune Dsa :** 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.

• **Custom Website Chatbot:** Developed a custom chatbot for a website with an clean and interactive interface using   Flask ,LangChain. This chatbot has in context learning and memory , which can be customized for any Website.

• **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   Apr 2024 - Present *AI Researcher*

• Worked on AI-agentic frameworks like microsoft's autogen and crewAI , fine-tuning llm's(llama 3.2, llama 3.1),comfyUI (image generation) and object-segmentation models like meta's sam 2 and 2.1 and created few Docker images and containers.

Securden, Chennai   Jun 2024 - jul 2024
SDE Intern

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

Education

Sri Sairam Institute of Technology   Aug 2022 - June 2026
B.E. in Compstuter Science and Engineering

Global Certifications

Red Hat Certified System Administrator (RHCSA)   Expires Mar 2027