SIDDHARAM SUTAR

📞 +91 9767738681 ✉ **Email** in **LinkedIn** ✉ **Leetcode**

Technical Skills

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

Databases : Pinecone (**Vector DB**), Firebase, PostgreSQL, MongoDB

Frameworks & Libraries: Next.js, Flask, React Native, Express JS, NodeJS, ReactJS, Flutter, Generative AI

Tools & Systems: Git, GitHub, Postman, Linux

AI/ML: LLM Fine-Tuning, RAG, Prompt Engineering, Open-Source Model Research

Other Skills: Aws, Appwrite Services

Experience

Log strike Technologies | SDE Intern
Feb 2024 – may 2024

- Built **micro-frontend** architecture with **Webpack Module** Federation, developing 1,000+ TypeScript components reducing dev time by 25%
- Orchestrated **Kubernetes clusters with CI/CD pipelines**, implementing **Docker containerization** and automated deployment workflows for scalable microservices architecture
- Developed **AI agents** with **Stagehand web scraping** for automated data extraction and **recommendation systems**
- Integrated **Firebase/Appwrite** services with ML models on **Google Cloud Run** for real-time analytics

Google Cloud Platform | Open Source Contribution

- Contributed **merged pull request** to **Google Cloud Platform** in second year, open-sourcing type-safe micro-frontend architecture

Cookbook / ▶ YouTube/ *Flutter, MongoDB, Node.js, Express, Generative AI, RAG, Gemini API*

- Developed an AI-powered **recipe recommendation app** that suggests dishes based on available ingredients.
- Implemented **real-time cooking guidance** and interactive step-by-step instructions to enhance user experience.
- Integrated real-time guidance using retrieval-augmented generation (**RAG**) techniques.
- **Fine-tuned** Google Gemini on the Recipe1M+ dataset.

Deepfake Detector / GitHub / *ReactJS, React Native, Machine Learning, App write, Generative AI*

- Engineered a **machine learning-powered deepfake detection app** to identify manipulated images and videos.
- Developed **AI**-based transcript generation to **analyse video** content authenticity.
- Integrated **App write** for data storage and real-time processing to improve detection accuracy.

AI-Powered PDF Q&A System / GitHub / *Python, RAG, Groq LLaMA-3, Pinecone*

- Designed **RAG pipeline** using Pinecone Vector DB, optimizing **text chunking** (500 tokens/50 overlap) and Nomic embeddings to enhance retrieval-augmented generation.
- Integrated **Groq LLaMA-3-70B** API into the RAG framework for real-time, context-aware responses, implementing ethical guardrails via structured prompt engineering.
- Refined retrieval logic and **semantic search** within the **RAG architecture** to achieve production-grade reliability and contextual relevance.

Education

Walchand Institute of Technology, Solapur   **2023 – 2027**
Bachelor of Technology *in Information Technology*   **CGPA: 9.84**

Awards & Achievements

- **Winner – CMR Hackfest 2.0 - Jan 2024** | Developed **Fact Shield**, an AI tool to combat misinformation.
- **Google Gemini API Finalist - Aug 2023 |** Built an **AI-powered** app using Generative AI.
- Contributed **2 merged PRs to Google Summer of Code (GSoC)** open source projects
- **Finalist** – **Level Super mind Hackathon |** Tech challenge organized by **top YouTubers**
- **Solved 670+ DSA** problems on platforms like **Leetcode, Codeforces,** and **HackerRank**.
- **Top 2% globally** on **Leetcode,** showcasing strong problem-solving skills.