SIDDHARAM SUTAR

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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, Docker, CI/CD, Postman, Linux, n8n

AI/ML: ML pipeline, LLM Fine-Tuning, RAG, Prompt Engineering
Other Skills: AWS, Google-cloud-platform, Appwrite Services

Experience

Log strike Technologies | SDE Intern
Feb 2025 – may 2025

- 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.

Projects

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 / *Machine Learning, ReactJS, React Native, Agentic AI, App write, Generative AI*
- Engineered a **machine learning-powered deepfake detection app** to identify manipulated images and videos.
- Developed **Agentic AI**-based transcript generation to **analyse video** content authenticity.
- Engineered a **machine learning-powered** deepfake detection app using an **LSTM-CNN-RNN hybrid model** to accurately identify manipulated images and videos.
- 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** with prompt engineering to improve retrieval and **semantic search** for **real-time**, ethical, production-grade responses.

Education

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

Awards & Achievements

- **Solved 670+ DSA** problems on platforms like **Leetcode, Codeforces,** and **HackerRank**.
- **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**
- **Top 2% globally** on **Leetcode,** showcasing strong problem-solving skills.