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, 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** *|* [](https://youtu.be/pd06_ESqNQU?si=blB_7Xk7bK_6xBb7) [YouTube](https://youtu.be/pd06_ESqNQU?si=blB_7Xk7bK_6xBb7)*| 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](https://github.com/Siddhram/pan_hack) *| 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**-basedtranscript generation to **analyse video** content authenticity.
* Integrated **App write** fordata storage and real-time processing to improve detection accuracy.

**AI-Powered PDF Q&A System** *|* [GitHub](https://github.com/Siddhram/ques_api) *| 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.