SIDHANTH L

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PROFILE

AI/ML Engineer proficient in Python, TensorFlow, and PyTorch, designing and deploying end-to-end AI models. Led high-impact AI initiatives in healthcare and on RAG & LangChain platforms. Specializes in solving complex problems and building scalable AI systems.

SKILLS

Programming & DSA: Python, C++, JavaScript, Data Structures & Algorithms
AI/ML & Deep Learning: TensorFlow, PyTorch, LangChain, LLMs, RAG, HF Embeddings
Data & Integration Tools: Pandas, NumPy, FastAPI, Tesseract OCR, ChromaDB, MySQL
Cloud & DevOps: AWS, Git, Webhooks, Model Deployment, Hugging Face Spaces

TECHNICAL PROJECTS

Ask My Portfolio: Intelligent Recruiter Q&A Interface   [**Live Demo**]

- ❖ Engineered an AI portfolio platform with RAG and LangChain, enabling recruiters to interactively query my skills and receive accurate instant responses with 90% accuracy.
- ❖ **Technologies**: Python, LangChain, RAG, ChromaDB, HuggingFace Embeddings & LLM

Chest-X AI Classifier - Deep Learning Medical Diagnostic Tool

- ❖ Built and trained a CNN model using TensorFlow and OpenCV to detect COVID-19 from X-rays with >90% accuracy; deployed via Gradio for real-time diagnostic access.
- ❖ **Technologies**: Python, TensorFlow, OpenCV, NumPy, Pandas, Gradio, Matplotlib

AI-Powered Bill & Receipt Insight Extractor   [**Live Demo**]

- ❖ Developed a Python app that extracts key data from bills/receipts using OCR, reducing manual data entry effort by over 80% while providing real-time spending insights.
- ❖ **Technologies**: Python, FastAPI, Streamlit, SQLModel, Tesseract-OCR, Plotly

FinGenius - AI-Powered Financial Advisory Platform   [**Live Demo**]

- ❖ Designed an AI-powered financial chatbot with Botpress and Webhooks, delivering personalized investment advice; deployed on Wix via iframe for easy multi-page access.
- ❖ **Technologies** Botpress, JavaScript, Node.js, Webhooks, AI-driven chatbot, Wix

EDUCATION

B.E in Artificial Intelligence & Machine Learning
Visvesvaraya Technological University, India   **Dec 2021 - May 2025 | CGPA: 7.31**
Higher Secondary (PCMC)
Alva's Pre-University College, Mangalore   **Jun 2019 - Jun 2021 | Percentage: 87.83%**

LEADERSHIP & TECHNICAL GROWTH

- ❖ **Coordinated Enigma 2024**, leading a cross-functional team to ensure seamless event execution and high participant engagement.
- ❖ **Completed AWS Academy Cloud Foundations**, gaining practical knowledge in core AWS services, cloud architecture, and industry-aligned best practices.   [**Credentials**]
- ❖ **Certified by VTU through Job-Ready Pro Internship**, mastering **Python**, **Data Structures**, and **React** to deliver immediate value in tech roles.   [**Credentials**]