SAI NIVEDH V

✉ sainivedh26@gmail.com — ☏ 8300874166 — ⦿ Github — 🔗 LinkedIn

Education

Amrita Vishwa Vidyapeetham   **Aug 2023 – June 2027**
B.Tech. in CSE with specialization in Artificial Intelligence   *CGPA: 8.22/10*

Technical Skills

Languages: Python, Java, C, SQL, JavaScript, Kotlin, Flutter, HTML, CSS, MATLAB
Technologies & Frameworks:
- **Machine Learning & AI:** TensorFlow, PyTorch, scikit-learn, LangChain, LlamaIndex, Haystack, LORA, Retrieval-Augmented Generation, Autogen Framework, CrewAI, SnowFlake
- **Databases:** ChromaDB, Neo4j, MongoDB, Pinecone, Redis, Firebase, Supabase, SQL, PostgreSQL
- **Web Development:** Django, Flask, FastAPI, Bootstrap, HTML, CSS, React, Tailwind CSS, REST API, GraphQL
- **DevOps:** Docker, CI/CD Pipelines, Apache Airflow, Jenkins
- **Other Tools:** LangGraph, Unsloth, Git, AWS, Google Cloud, Microsoft Azure, Postman API, Selenium

Work Experience

Binari Intelligence System Private Limited   **Nov 2024 – Jan 2024**
Software Development Intern (Hybrid)

Achievements

Web3Conf Hackathon 2024 Winner (Accessible AI)   **Dec 2024**
Runner Up in GenderXAi Hackathon   **Jan 2025**

Projects

Accessible AI - Sign Language Mapping   **Dec 2024**
- Engineered an innovative application for generating Indian Sign Language (ISL) videos from diverse media formats using Google Cloud Speech-to-Text for real-time transcription
- Implemented NLP for ISL syntax translation and MoviePy to compile animated videos with accurate sign representation for Hearing Impaired

VerifyIt - Chrome Extension   **Nov 2024**
- Engineered a high-speed fact-checking Chrome extension using Flask, Google Custom Search API, Crawl4AI, and Gemini
- Developed an adaptive search and AI-driven content verification system, providing real-time credibility analysis
- Designed an intuitive, lightweight UI for seamless user experience without disrupting browsing flow

Deepfake Detection - Intel OneAPI Challenge   **Mar 2024**
- Designed and implemented a deepfake detection application using the ResNeXt-50 model, trained on the Celeb-DF (v2) dataset with 6,000+ samples, achieving 85% detection accuracy
- Optimized inference speed by 50% and reduced latency by 40% using Intel's oneDNN and OpenVINO toolkit for efficient AI processing on GPUs and CPUs

Femineh - Full stack Healthcare application for Women requiring Pregnancy and Post-maternal care   **Jan 2025**
- Developed a full-stack RAG application for personalized diet plan recommendations and food component analysis.
- Integrated React, FastAPI, LangChain framework, Crawl4AI, Groq, OpenAI embeddings, Chroma, and MongoDB Atlas
- Designed an automated pipeline capable of processing 500+ clinical data tables across ICMR Document, reducing response time by 30%

Courses and Certificates

- Microsoft Azure AI-900 Fundamentals
- Machine Learning with TensorFlow on Udemy
- MLOps and Full Stack Deep Learning (LinkedIn)
- Generative AI and LLM Fundamentals by Google
- Neo4j Graph Data Science Certification