Moguloju Sai

Hyderabad, Telangana • +91 9398053071 • saimoguloju2@gmail.com

LinkedIn, GitHub, YouTube

SUMMARY

AI Engineer Intern with 1 year of hands-on experience, contributing to diverse AI and backend development projects. Currently working at **Helios Core AI,** focusing on developing scalable **backend systems** and **integrating AI-driven** solutions. Proven ability to design, build, and deploy **machine learning** pipelines and APIs in real-world applications.

EDUCATION

Bachelor of Technology in Data Science   **Sep 2020 - Oct 2024**

TKR College of Engineering and Technology
- Specialization in **Data Science**.

TECHNICAL SKILLS

- **Programming Skills:** Java, R, **Python**, MySQL
- **Tools & Platforms:** git, **GitHub**, Excel, **Tableau**, **AWS**, PowerBI, **Dockers**, Motion**,** Cursor AI
- **Frameworks:** Streamlit, **Flask**, NLTK, **FAISS db,** vertex ai, Pinecone, **Pydantic, FastAPI**
- **Machine Learning, Deep Learning, Natural Language Processing,**
- **Generative AI: Fine** Tuning LLMs, RAG, **Langchain, Hugging Face**
- **Models: Chatgpt**, geminiai, **Llama**, Deep Seek, Claude, Ollama
- **Agentic AI: Langgraph**, n8n, Agno, **MCP**, crewai

WORK EXPERIENCE

AI Engineer Intern at Helios Core AI   **Feb 2025 - Present**
- Developed AI-powered microservices using **FastAPI** to deliver intelligent solutions through scalable REST APIs.
- Built and integrated LLM-based features, including **conversational AI** workflows leveraging **OpenAI** and **LangChain**.
- Designed document summarization pipelines supporting multiple file formats (PDF, DOCX, TXT).
- Integrated **Azure Cognitive Services** to enable **speech-to-text** and **text-to-speech** functionalities.
- Implemented secure file handling and retrieval using **Azure Blob** Storage.
- Contributed to session management and backend data modeling using **Pydantic**.
- Applied **SOLID principles** along with **unit** and **integration testing.**
- Assisted in cloud deployment with **Docker**, **Uvicorn**, and Gunicorn, including SSL configuration for secure access.

Data Scientist Intern at Layc Education Pvt Ltd   **July 2024 - Jan 2025**
- Developed a **Retrieval-Augmented Generation (RAG)** application using **OpenAI** language models and **OpenAI embeddings** for intelligent PDF document processing.
- Engineered AI-driven summarization and semantic query-based retrieval workflows for enhanced content understanding.
- Built a user-friendly **Streamlit web application** for interactive document exploration and Q&A.
- Applied **modular software design** principles to ensure code reusability and scalability.
- Deployed the solution using **Docker** and hosted the project on **Hugging Face** Spaces for public access and demonstration.

Jr Data Scientist Intern at Coapps.ai   **Mar 2024 - May 2024**
- Developed a Fake News Detection system using **Natural Language Processing (NLP) and machine learning**, achieving 92% prediction accuracy.
- Applied NLP preprocessing techniques, including **stemming**, on a dataset of **10,000+** news articles.
- Built and deployed a user-facing Streamlit web application for real-time fake news classification.
- Utilized traditional **machine learning** models for **text classification** and deployed the solution on Hugging Face for public access.

PROJECTS

English to Telugu Translator using Generative AI   **GitHub**

- Developed a **Flask**-based English-to-Telugu translator with user authentication using **MySQL**.
- Integrated **LangChain** with **Groq AP**I and **Modular Coding** format, tested with **Postman**.
- Implemented secure user **login, registration,** and session management for personalized access.

Fake News Detection using NLP   **GitHub**

- Developed a **web app for real-time fake news detection** using **Python** and **Streamlit**. Preprocessed text with **stemming** and **TF-IDF**, training a Logistic Regression model with an 80-20 split for high accuracy.

ADDITIONAL INFORMATION

- Completed **AWS Fundamentals certification** on **Coursera** and **Data Science with Python certification** from **NPTEL**.
- Regularly publish articles on **Medium** and **LinkedIn**, engaging a professional audience with **11K+ LinkedIn followers**.
- Building a thriving Telugu Data Science Community by sharing knowledge across **Twitter**, **WhatsApp channel**, and **YouTube**.