Argish Abhangi

GitHub | LinkedIn

abhangiargish@gmail.com | 97372 17514 | Surat, GJ

PROJECTS

ChatDocs - RAG based Chatbot   *github, chatDocs* 🔗
Python, Langchain, Openai, FastAPI, ChromaDB, SQLite, Pydantic, Streamlit
- Developed a robust RAG-based chatbot with LangChain & OpenAI, achieving 95% context accuracy.
- Integrated the RAG pipeline with a Streamlit app via FastAPI & SQLite for efficient session management.
- Optimized system performance & user experience through intuitive architecture & accurate response delivery.

StockGinie - Stock Analysis & Prediction   *github, stockGinie* 🔗
Python, PyTorch, Streamlit, Yfinance, Plotly, Pytest
- Built a scalable stock price prediction system using LSTM, achieving an average R^2 score of 0.85.
- Automated data analysis, model training & inference with real-time data fetching & comprehensive logging.
- Deployed an interactive Streamlit dashboard for visualizing insights with dynamic graphs & charts.

Genfunc - python package   *PyPI, genfunc* 🔗
Python, OpenAI, Anthropic, Logging, Pytest
- Shipped a python package that leverages power of LLMs to generate functions based on a given description. It reduces time taken to explicitly code one-time use functions & is useful to generate complex boilerplate code.

OPEN SOURCE

Water Management and Forecasting - Bhopal Chapter, Omdena   *dagshub* 🔗
Python, PyTorch, Scikit-learn, Plotly, Streamlit
- Developed, implemented & fine-tuned LSTM Network using recursive forecasting to predict water availability with 96% accuracy using sensor data from the cities of Algiers & Bhopal. Deployed the model using Streamlit.

Greenhouse Monitoring Systems - Algeria Chapter, Omdena   *github* 🔗
Python, Tensorflow, Keras, OpenCV, html, css, javascript
- Built a plant disease & pests detection CNN model to identify 40+ diseases & pests with 98% accuracy.
- Fine-tuned a plant species identification model using transfer learning to identify 20 species with 94% accuracy.

EDUCATION

Vellore Institute of Technology (Bhopal, MP)   June '20 - Sep '25
Int. M.Tech Artificial Intelligence   *CGPA - **8.89/10***

TECHNICAL SKILLS

Programming Languages: Python, C++, SQL, JavaScript, HTML/CSS
Frameworks/Tools: PyTorch, Tensorflow, Keras, Langchain, transformers, Scikit-learn, OpenAI, Pytest, FastAPI, Pydantic, Streamlit, Kivy, OpenCV, MLOps, Git, Docker, Yfinance, REST APIs, Numpy, Pandas, Plotly, Matplotlib, Seaborn
Databases: SQLite, ChromaDB, PineCone, MySQL
Tech Domains: Deep learning, Natural language processing, Large language models, Computer vision, Machine learning

EXTRA-CURRICULARS

- Led cultural initiatives as Student Council's Cultural Secretary at VIT Bhopal, organizing over 50+ events including AdVITya'23 that engaged 4500+ students, driving a 40% increase in campus participation
- Published 3 editions of `The Tech DAIgest` as the Editorial Team Lead at AI Club, fostering AI literacy among 8000+ university students present on-campus.