ARYAN TARAFDAR

Gen AI Developer

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TECHNICAL SKILLS

Languages: Python,SQL,C
Libraries: Numpy, Pandas, Scikit-learn,Langchain
Coursework: Operating System, OOP, Database Management System, Computer Networks, DSA

PROJECTS

ChatWithDocs

LangChain, FastAPI ,FAISS

- Developed a FastAPI-based document portal for **PDF ingestion, analysis, and conversational AI (RAG)**.
- Implemented **document comparison and multi-document chat** using LangChain with FAISS vector store.
- Integrated PDF parsing with **PyMuPDF** and containerized the application with **Docker** for deployment.

E-commerce Product Assistant

LangChain, AstraDB, Streamlit, FastAPI

- Built an **AI-powered product recommendation system** with web scraping, vector database integration, and **RAG workflows** (normal and agentic) for intelligent customer support.
- Implemented **automated Flipkart scraping**, ingested data into **AstraDB vector database**, and deployed a **Streamlit UI** for data management and **FastAPI** for chat interface.

Digit Classification

Deep Learning

- Implemented a digit classification system in Python using the **MNIST dataset**.
- Used **Numpy and Pandas** for preprocessing on the dataset and then using the **TensorFlow/Keras library** implemented a **Convolutional Neural Network** which classifies the Digits correctly.
- Achieved an accuracy of **98.7%**.

ACHIEVEMENTS

TCS CodeVita 2025

*Cleared Round 1 and secured a **Top 200** rank in Round 2*

College Hackathon for SIH 2023

*My team **ranked Top 10** in College*

Smart ABESEC Hackathon(College) 2022

*My team **ranked 3rd** out of 100+ teams*

Problem Solving (DSA)

*Max **Rating of 1911(knight)** on **Leetcode***

CERTIFICATIONS

- Python for Data Science and Machine Learning Bootcamp - Udemy — Link
- The Complete Data Structures and Algorithms Course in Python - Udemy — Link
- The Complete SQL Bootcamp - Udemy — Link
- Problem Solving Intermediate - Hackerrank — Link

EDUCATION

ABES Engineering College	Ghaziabad, India
*B.Tech in Information Technology(**SGPA-7.93**)*	*2021-2025*
Indian Institute of Technology Madras	Remote
*Diploma in Data Science(**SGPA-8.33**)*	*2021-ongoing*
Gaurs International School	Greater Noida
*Non Medical(**Percentage-92%**)*	*2019-2021*