ARYA VATS

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EDUCATION

Kalinga Institute Of Industrial Technology   Bhubaneshwar,India
Degree in Bachelor Of Technology In Electronics And Computer Science   September 2022 - July 2026
CGPA: 8.54

SKILLS

Programming Languages:	C, C++, Python, mySQL
Libraries/Frameworks:	PyTorch, Keras, Numpy, Pandas, Flask, HTML, CSS
Tools / Platforms:	Git, VS Code, Operating System, DBMS, Discrete Mathematics, AWS Cloud platforms, Arduino IDE, IOT
Databases:	SQL

PROJECTS / OPEN-SOURCE

Stock price prediction system using Linear Regression and LSTM (Under Prof. Bhargav Appasani)   *Python, Flask, Scikit-learn, TensorFlow, Pandas, Matplotlib*
- Developed a stock price prediction model using Linear Regression and LSTM.
- Collected and preprocessed historical stock price data for analysis.
- Built a Flask backend to serve model predictions and a frontend for visualizing results.
- Compared accuracy of different models and optimized performance for time-series forecasting.

Conversational Chatbot with Any Files *Python, Flask, LlamaIndex, LangChain, OpenAI API, Streamlit*
- Designed a chatbot capable of answering queries from uploaded PDF, Word, and Excel documents.
- Integrated LLMs (Llama, Gemma) with Flask backend to process document content.
- Implemented NLP techniques using LlamaIndex/LangChain for intelligent responses.
- Built an interactive frontend similar to OpenAI's chat interface for seamless user experience.

Sentiment Prediction API Using FastAPI and X (Twitter) Tweets (Under Prof. Bhargav Appasani   *Python, FastAPI, Tweepy, TextBlob, Scikit-learn, Pandas, Uvicorn*
- Developed a FastAPI-based sentiment analysis system for real-time Twitter data.
- Used Tweepy for fetching tweets and TextBlob/NLP models for sentiment classification.
- Built API endpoints to fetch and analyze tweets based on keywords and hashtags.
- Deployed API using Uvicorn, tested endpoints with Postman and CURL.

CERTIFICATIONS

- Mastering Data Structures And Algorithms In C and C++ - **Udemy**
- AWS Academy Graduate - AWS Academy Cloud Architecting - **Amazon Web Services Training and Certification**
- Fusing AI with VLSI chip - TechBairn.
- AWS Academy Graduate - AWS Academy Cloud Foundations - **Amazon Web Services Training and Certification**

HONORS & AWARDS

- Runner-up in Tech event(IoT) –> For developing Obstacle Detection and Surveillance System
- Winner In debating session organised by Khwahishein (HINDI SOCIETY OF KIIT UNIVERSITY)Hindi
- Pratibha Samman Awarded for being among the top 5 students in my school in the 10th standard.
- Served in DISEC Committee at KIIT MUN enhancing communication skills and diplomatic discussions.