


AAYUSH THAKKAR

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SKILLS

- ❖ Python, Java, Core Java, Advanced Java, C / C++, PHP, HTML, CSS, JavaScript, FastAPI, Flask, Django, JSP, Servlets
- ❖ Oracle SQL, MySQL, OpenSearch (Vector DB)
- ❖ Web Development, Machine Learning Algorithms, Data Analysis, Artificial Intelligence, Prompt Engineering
- ❖ Marketing Skills, Sales Skills, Advertising Skills

EDUCATION

- ❖ B.Tech CSE | Charusat University CGPA: 9.08
- ❖ XII (GSEB) | H.B. Kapadia New High School 91% | 2021

EXPERIENCE

- ❖ **Python Developer Intern | Inferenz, Ahmedabad** (26th March 2025 - Present)
At Inferenz, I've worked on backend development using FastAPI and contributed to a Django-based Ecommerce site, focusing on API integration and authentication. I'm currently building Vakeel LLM, an AI-powered legal assistant. The project involves chunking legal documents and storing them in OpenSearch (Vector DB). Relevant chunks are retrieved based on user queries and passed to the Groq model to generate context-aware answers. I've implemented the chunking logic, indexing, and Docker setup, and am now integrating all components for smooth, error-free performance.
- ❖ **Tech ERP Intern | MASTEK PVT. LTD.** (20th Jan 2025 – 20th Mar 2025)
During my internship at Mastek, I got trained in Oracle SQL, Core Java, and Advanced Java, which helped me improve my database and backend development skills. As part of the training, we worked on a Learning Management System (LMS) project, where I contributed to building important features using Java Servlets, JSP, and Oracle SQL. This experience gave me a better understanding of how real-world applications are developed and managed.
- ❖ **Machine Learning Engineer | iNeuron.ai, Bengaluru** (15th May 2024 – 1st July 2024)
Interning at iNeuron, working on a Shipping Price Prediction project utilizing advanced machine learning algorithms. Leveraged technologies such as Python, scikit-learn, and TensorFlow to enhance accuracy in logistics cost forecasting.
- ❖ **Python Developer Intern | Inferenz, Ahmedabad** (1st May 2023 – 2nd June 2023)
Created Python-based web and image scraping tools, specializing in extracting Flipkart reviews, and deployed on Azure technologies for efficient data extraction and analysis.

ACADEMIC PROJECTS

❖ End-to-End E-Commerce Website for Akshar Lights

Designed and developed a fully functional e-commerce platform for Akshar Lights using PHP, HTML, CSS, JavaScript, and MySQL. Implemented features like product listing, shopping cart, user registration, login authentication, and order management. Focused on responsive design and a smooth user experience while ensuring secure backend integration with the database.

❖ Diamond Price Prediction

Built a machine learning-based system using Python, Flask, and scikit-learn to predict diamond prices based on various features such as cut, color, clarity, and carat. Designed a complete pipeline for data preprocessing, model training, and deployment. Integrated a user-friendly web interface to input diamond attributes and retrieve predicted prices in real-time.

❖ Credit Card Fraud Detection System

Developed a fraud detection system leveraging machine learning algorithms in Python with a Flask backend. Trained the model using a dataset of credit card transactions to identify suspicious activity. Focused on building a real-time prediction interface that alerts users of potentially fraudulent transactions, improving overall transaction security.

❖ Sentiment Analysis System

Created a sentiment analysis tool using Python, machine learning, and Streamlit. The system takes user input (text or reviews), processes it through a trained model, and classifies it as positive, negative, or neutral. Built an automated pipeline for model training and testing, and deployed the project as an interactive web app for real-time sentiment detection.

CERTIFICATIONS

❖ **Data Science Masters by PW SKILLS.**

❖ **Microsoft Power BI for Business Intelligence (Udemy)**