

Zabiha Muskan

Enthusiastic tech learner with a strong foundation in Python, machine learning, and data analysis. Experienced in building real-time AI solutions and solving practical problems using innovative approaches. Passionate about leveraging technology to make data-driven decisions and continuously explore emerging tools in the AI space.

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WORK EXPERIENCE

Zaalima Development Pvt.Ltd

Data Science and Machine Learning Intern

June 2025 - August 2025

- Built and deployed a high-accuracy (92%) fraud detection model using Python, Scikit-learn, and XGBoost by preprocessing real-world financial data and engineering key features.
- Integrated the trained model into a real-time prediction web app with a user-friendly interface, enabling seamless and secure transaction analysis.

EDUCATION

Priyadarshini Engineering College

Bachelor of Engineering (CSE) - 8.65

November 2022 - June 2026

Pursuing a comprehensive curriculum focused on core computer science subjects including data structures, algorithms, machine learning, and software development. Actively involved in real-world project work, internships, and AI-driven research initiatives to build strong technical and problem-solving skills.

Al-Huda Matric. Hr. Sec. school

Higher Secondary Education - 88.5%

July 2020 - May 2022

Studied core computer science subjects including programming fundamentals, logic building, and basic data structures, laying a strong groundwork for further technical education.

PROJECTS

Fraud Detection in Financial Transactions

June 2025

- Developed a high-performance fraud detection model using Python, Scikit-learn, and XGBoost, incorporating advanced preprocessing, feature engineering, and class imbalance handling to maximize predictive accuracy.
- Deployed the model as an interactive Streamlit web application with a fully integrated backend pipeline, enabling real-time transaction analysis and seamless user experience.

Gemini Chatbot – AI Assistant

February 2025

- Engineered a responsive AI chatbot using Python and Google Gemini 2.0 Flash API, enabling real-time, human-like conversations with contextual understanding, summarization, and intelligent Q&A.
- Implemented secure API key management with Streamlit Secrets and designed an intuitive UI to ensure safe deployment and seamless user interaction.

SKILLS

Programming Languages: Python, Java(Basic), SQL, HTML, CSS

Frameworks: Pandas, Numpy, Scikit-Learn, Matplotlib, Seaborn

Tools: MS Excel, Powerpoint, Git, Streamlit, Canva, Netlify

Soft Skills: Communication, Teamwork, Problem Solving, Adaptability, Time Management

CERTIFICATE

Generative AI - Google for Education

Fundamentals of Machine Learning and AI – AWS Training & Certification