

ASMI VASHISTA

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OBJECTIVE

Aspiring Software Engineer eager to contribute to enterprise-level systems through strong skills in backend development, database management, and real-time monitoring. Proficient in Python and SQL with experience in debugging, building APIs, and enhancing software architecture.

EXPERIENCE

Machine Learning Intern | Prasunet Pvt. Ltd. (March 2025)

- Deployed real-time ML models for system monitoring

ML Intern | Grades Global, Noida (Oct 2024)

- Built predictive models on academic datasets

Data Science Intern | Imarticus Learning, Noida (Sep 2023)

- Created Power BI dashboards, handled SQL queries

EDUCATION

Bachelors in Technology

Panipat Institute of Engineering and Technology | Haryana (2022-2026)

BTech in Computer Science specialized in Artificial Intelligence and Machine Learning

SKILLS & TECHNOLOGY

Languages: Python, SQL, C, C++

Libraries: Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn

Frameworks: Django, FastAPI, TensorFlow

Tools: Kafka, Grafana, Power BI

Concepts: ML, Anomaly Detection, Time Series, Data Visualization

Others: Twilio API, OpenCV, PyGame, Anomaly Detection

PROJECTS

1. [Women Safety Detection System](#)

Real-time alerting via Twilio & Firebase, ML-based threat detection

2. [End to End Text to SQL LLM](#)

Built a natural language to SQL interface using Google Gemini API to convert queries and execute them on a live SQL database.

3. [BRSR/GRI AI-Powered Sustainability Report Analyzer](#)

Built an AI-powered analyzer using LangChain and RAG to extract and evaluate ESG metrics from BRSR/GRI sustainability reports, enabling SDG alignment and regulatory compliance.

4. [Self-Driving Car Simulator](#)

Lane detection with OpenCV, CNN steering model in PyGame

Achievements

Infosys Pragati – Cohort 4

Reliance Foundation Scholar (Top 500 nationwide)

Winner – Smart India Hackathon 2024 (Internal)