

Janmesh Sharma

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SKILLS

Languages: Python, C, C++, SQL

Technologies & Tools: Tableau, Power BI, Jupyter Notebook, Google Colab

Libraries/Frameworks: Pandas, NumPy, scikit-learn, LangChain

Data Skills: Data cleansing, data extraction and transformation (ETL)

WORK EXPERIENCE

Centre for Railway Information Systems (CRIS), New Delhi

Jun 2025 – Jul 2025

AI Intern

- Developed an LLM-based chatbot using LangChain, FAISS, and Ollama to query historical defect resolutions from MySQL data, handling incomplete records with contextual suggestions.
- Built an ARIMA-based wheel life prediction system for 12-wheel bogies, analyzing historical diameter and wear data to forecast maintenance needs.
- **Tech:** Python, Pandas, NumPy, Statsmodels (ARIMA), LangChain, FAISS, Ollama, MySQL

Divisional Railway Manager Office (DRM), Vadodara

Jul 2023

Summer Intern

- Gained exposure to Railway S&T equipment and telecom operations, collecting and analyzing failure data to identify trends.
- Created dashboards summarizing equipment failures, downtime, and maintenance insights for preventive planning.
- **Tech:** Python, Excel, Data Analysis, Reporting

EDUCATION

Gati Shakti Vishwavidyalaya, Vadodara

Nov 2022 - Jun 2026

B.E. in Electronics and communication Engineering

CGPA: 8.40/10

Relevant Coursework: Object Oriented Programming, Databases, Data Structures and Algorithms, Machine Learning, Advance Data Structures and Algorithms, Information Retrieval, Image processing

PROJECT WORK

- **Data Warehousing Project (2025):** Developed a SQL Server data warehouse integrating raw data into multi-stage layers (Bronze, Silver, Gold). Automated ETL pipelines for data cleaning and transformation, enabling unified analytics and visualization. Implemented data models, optimized queries, and documented architecture. SQL, ETL, Data Modeling
- **Interactive Sales Dashboard (2023):** Built a dynamic dashboard for tracking sales, profit, and quantity trends with year-over-year comparative analysis. Enhanced visualization and business insights with interactive filtering. Tableau, DAX, Excel.
- **Deepfake Voice Detection (2024):** Developed a system to detect AI-generated voices using spectral feature extraction and machine learning classification. Python, Librosa, scikit-learn.
- **Credit Card Fraud Detection (2023):** Built a machine learning model to identify fraudulent transactions using supervised learning and anomaly detection techniques. Python, scikit-learn, Pandas, NumPy.
- **AI-Driven Logistics Optimization System(Ongoing)**
GenAI platform recommending optimal transport mode using cost, time, and risk analysis with real-time data; integrated booking, alerts, and dashboard. Python, LangChain/CrewAI, LangGraph, REST APIs, Pandas, NumPy, FAISS/Chroma, Streamlit.

AWARDS AND CERTIFICATES

- **Internship Coordinator (CDC):** Coordinated internship placements and facilitated engagement between students and industry partners, enhancing practical learning opportunities.
- **Deep Learning Certificate**
- **Machine Learning Certificate, Scaler**
- **Developer Job Simulation, Accenture**