

SAMYAK VAGHELA

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Skills

Languages: Python, SQL, Linux | **ML/AI:** Scikit-learn, PyTorch, TensorFlow, XGBoost, NLP, LLM, RAG, Agentic AI | **MLOps:** Data Pipelines, Feature Engineering, Deployment, Experiment Tracking

Tools: Git, PostgreSQL, pgAdmin, VS Code, Linux, Excel, Hugging Face, Llama API, Ignition Perspective | **Core:** DSA, Operating Systems

Work Experience

Associate AI/ML Engineer

Moweb Technologies LTD., Ahmedabad

Oct 2025 – Present

- Develop and deploy AI/ML solutions aligned with business KPIs.
- Design scalable ML pipelines and LLM-based applications using RAG architectures.
- Optimize model performance and ensure production reliability.
- Collaborate with stakeholders to convert business requirements into AI-driven systems.

Data Scientist

Larsen & Toubro (LT) Technology Services, Vadodara

Oct 2024 – Oct 2025

- Designed and deployed ML/DL models for Golden Batch 2 manufacturing analytics platform.
- Built end-to-end pipelines for shop-floor time-series data including preprocessing and feature engineering.
- Implemented experiment tracking and model versioning for reproducibility.
- Developed LLM + RAG based Manufacturing Assistant for contextual industrial knowledge retrieval.
- Delivered real-time analytical dashboards improving process visibility.

Data Science Intern

The Sparks Foundation

Feb 2022 – Mar 2022

- Performed EDA and built ML models using Python.
- Created data visualizations to communicate actionable insights.

Projects

Wind Power Prediction: Developed Python forecasting pipeline (78% accuracy) with frontend integration.

Gujarati Sentiment Analysis: Built SVM-based NLP model achieving 78% accuracy.

Online Bank Management System: Designed web-based banking interface implementing CRUD functionality.

Education

M.Tech, Data Science – Nirma University (2025) | CGPA: 8.1

B.E., Computer Science & Engineering – LDRP Institute of Technology (2022) | CGPA: 7.46