

# SANDIP BARARIYA

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## PROFILE

Recent Electrical Engineering graduate with a strong passion for data analytics and machine learning. Currently honing skills in Python, SQL, and data visualization to build a career as a data analyst or data scientist.

## EDUCATION

L.D engineering college

*Ahmedabad, India*

**Bachelor of Engineering** in electrical Engineering

2021 – 2025

## TECHNICAL SKILLS

**Technical:** SQL, Python, Data Visualization, Machine Learning

**Tools:** Excel, postgresql, Power BI, googlecolab

## PROJECTS

### Music store database analysis

- Analyzed customer behavior and revenue trends using complex SQL queries to optimize sales and marketing.
- Tools used – postgresql data base , pgadmin4
- [Link](#)

### Credit card analysis project

- Developed a dynamic Power BI dashboard for weekly credit card analysis, delivering real-time insights into key metrics and customer trends.
- Tools used – PowerBI
- [link](#)

### predictive maintenance using ML model

- optimized Random Forest model for predictive maintenance.
- achieves ~98% F1 accuracy.
- The model helps predict failures early, reducing downtime and improving machine efficiency
- [Link](#)

### Credit card fraud detection using machine learning

- Built and optimized machine learning models (Logistic Regression, Random Forest, XGBoost) to detect credit card fraud in a highly imbalanced dataset
- Achieved superior fraud detection with a tuned XGBoost classifier, effectively handling severe class imbalance.
- [link](#)

## SOFT SKILLS

- Problem solving: strong analytical mindset from engineering background.
- Communication : ability to explain complex technical concepts clearly.
- Team work : experience working in collaborative environment
- Adaptability : quick learner and eager to adopt new technologies