

MEHRINBANU SAIYED

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SUMMARY

Motivated and detail-oriented undergraduate with a strong interest in data analysis, interpretation, and insight generation. Skilled at identifying patterns, solving problems, and supporting informed decision-making through clear and structured analysis. Seeking a Data Analyst role to contribute to real-world solutions by transforming data into actionable insights.

EDUCATION QUALIFICATION

Bachelor's of Technology in Bioengineering

2022 - 2026

Vellore Institute of Technology, Bhopal

CGPA : 9.28

Class 12th

2021 - 2022

Ankur Higher Secondary School, Ahmedabad

Percentile : 89.24

SKILLS

- **Programming languages** : Python, SQL and Java (basics)
- **Data Analysis and Visualization** : Data cleaning, Exploratory Data Analysis(EDA), Statistical analysis, dashboards and reports.
- **Tools** : Excel, Power BI, Tableau
- **Machine Learning** : Classification, Regression, Clustering and Model evaluation.
- **Soft skills** : Time management, attention to detail, effective communication, decision making and teamwork.
- **Languages** : English, Hindi and Gujarati

PROJECTS

Customer Churn Analysis

- Analyzed a telecom customer dataset with an observed churn rate of about **26%**, identifying key factors influencing customer attrition.
- Performed data cleaning, EDA, and feature engineering using Python and pandas.
- Built a logistic regression model with **78% accuracy** to predict churn.
- Used correlation heatmaps and statistical analysis to uncover trends.
- Delivered actionable insights to improve customer retention based on tenure, contract, and service usage.

Gene Expression Analysis

- Analyzed gene expression data from **1,900+ breast cancer patients** (METABRIC) to compare ER+ and ER- tumors using t-tests on **25,000 genes**.
- Visualized patterns via boxplots and Principal Component Analysis(PCA), identifying upregulated genes like BRCA1 to support subtype classification and personalized treatment strategies.

PROFESSIONAL EXPERIENCE

Gujarat Energy Research and Management Institute (GERMI)

Research Intern

Nov 2024 – Jan 2025

Analyzed lab and field data to assess oil spill bioremediation using bacterial consortia. Applied statistical methods to evaluate degradation efficiency and supported data interpretation for environmental research outcomes.

CERTIFICATES

1. Applied Machine Learning in Python from Coursera [Certificate](#)
2. Python programming from NPTEL [Certificate](#)