

# SOBIYA BEGUM

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Portfolio: <https://sobiyabegum-portfolio.netlify.app/>

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## PROFESSIONAL SUMMARY

Detail-oriented Data Science graduate with hands-on experience in data analysis, machine learning, and Python programming. Skilled in data cleaning, exploratory data analysis (EDA), feature engineering, and model building using supervised learning techniques. Experienced in developing and deploying end-to-end machine learning projects using tools such as Pandas, NumPy, Scikit-learn, and Streamlit. Actively seeking an entry-level Data Scientist or Data Analyst role to apply analytical and problem-solving skills to real-world business challenges.

## SKILLS

- Programming Languages: Python, SQL
- Data Analysis: Data Cleaning, Exploratory Data Analysis (EDA), Statistical Analysis
- Machine Learning: Regression, Classification, Supervised Learning, Model Evaluation
- Data Visualization: Matplotlib, Seaborn, Excel
- Libraries & Tools: Pandas, NumPy, Scikit-learn
- Platforms & Tools: Jupyter Notebook, Streamlit, Git, GitHub

## PROJECTS

### CUSTOMER CHURN PREDICTION | Python, Machine Learning, Streamlit

- Developed a supervised machine learning classification model to predict customer churn.
- Performed data cleaning, feature engineering, and exploratory data analysis (EDA).
- Evaluated model performance using appropriate metrics and deployed the solution using Streamlit.

### ZOMATO RATING PREDICTION | Python, Machine Learning

- Built a regression-based machine learning model to predict restaurant ratings.
- Conducted exploratory data analysis and feature selection to improve model accuracy.
- Deployed the prediction model using a Streamlit-based user interface.

### LOAN ELIGIBILITY PREDICTION | Python, Machine Learning

- Designed a machine learning model to predict loan eligibility based on applicant data.
- Implemented data preprocessing, encoding techniques, and model evaluation.

## EDUCATION

Bachelor's Degree in Computer Science

Princeton Institute Of Engineering And Technology For Womens, Hyderabad

2021 – 2025

