Tamanna Bhrigunath

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Linkedin Github LeetCode

TECHNICAL SKILLS

Programming: Python, Java, SQL
Machine Learning: Regression, Classification, Random Forest, SVM, Feature Engineering, Model Evaluation
Libraries: Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, OpenCV, Joblib, Pickle
Web Development: Flask, HTML, Tailwind CSS
Deployment: Streamlit
CS Fundamentals: DBMS, OS, OOP, DSA
Tools: VS Code, Jupyter Notebook, MySQL Workbench, Git

EXPERIENCE

Intern at Celebal Technologies **Jun 2025 - Aug 2025**

Role - Data Science Intern

- Participated in Celebal's Data Science Summer Internship program focused on practical end-to-end machine learning workflows.
- Built and deployed a **machine learning model** to predict house prices using **regression techniques** (Linear, Random Forest, Support Vector Machine).
- Developed a Credit Scoring prediction system using Random Forest to classify loan applicants based on risk.
- Performed data preprocessing, EDA, and model evaluation using classification metrics like precision, recall, and F1-score.
- Gained hands-on experience in Python, scikit-learn, pandas, visualization, and deployment with Streamlit.

Education

Poornima College of Engineering , Jaipur 2022 - 2026

B.Tech. in Artificial Intelligence and Data Science

Relevant Coursework: Object Oriented Programming, Databases, Discrete Maths, Data Structures and Algorithms, Operating Systems, Computer Networks, Machine Learning, Data Mining, Information Retrieval, Image Processing

PROJECTS

Credit Scoring using Random Forest **Live** | **GitHub** **2025**

- Built a classification model to predict customer credit risk (good/bad) using the German Credit dataset.
- Performed preprocessing (encoding categorical variables, handling imbalanced data).
- Improved credit scoring accuracy to 80% using Random Forest, handling imbalanced data with resampling techniques.
- Deployed an interactive app with Streamlit for real-time credit risk prediction.
- **Tech Used:** Python, Scikit-learn, Numpy, Pandas, Joblib, Streamlit

Movie Recommendation System **Live** | **GitHub** **2025**

- Implemented a content-based recommender system using similarity matrices.
- Suggested top-5 similar movies based on user input.
- Integrated TMDB API to dynamically fetch and display movie posters.
- Built an interactive app with Streamlit to search and visualize recommendations.
- **Tech Used:** Python, Numpy, Pandas, scikit-learn (CountVectorizer, cosine-similarity), Pickle, TMDB API, Requests, Streamlit

ACHIEVEMENTS

AADHAR-XI 2023

- Awarded **Runner-up** at college-level **Technical Project Competition and Exhibition**, organized by **Zircon Club, Poornima College of Engineering**.