MUKUL MEHTA

B.C.A GRADUATE

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N.T.D Almora

EDUCATION

2023-2026

GRAPHIC ERA HILL UNIVERSITY

- Bachelor in computer Application
- CGPA: 9.

SKILLS

- Python
- NumPy
- Matplotlib,
- Seaborn
- Leadership
- Data Structures & Algorithms (60+ Leet Code problems solved),
- Machine Learning
- sklearn
- Streamlit
- Git,mysql and mangodb

LANGUAGES

- English (Fluent)
- Kumanini
- Hindi

PROFILE

I'm Mukul Mehta, a BCA student passionate about Python, NumPy, Matplotlib, Seaborn, Data Structures & Algorithms (60+ Leet Code problems solved), Machine Learning and Basic Deep Learning. As an active Tech Club member, I've organized hackathons, led teams, and managed events, honing my leadership and teamwork skills.

I enjoy problem-solving, continuous learning, and motivating my team to achieve shared goals. Academically strong, I believe real growth comes from hands-on experience. I'm an evolving person with effective intelligence, always open to new challenges.

Outside of tech, I love running, football, rap music, and geopolitics. Let's connect and grow togeth

PROJECT

Telco Customer Churn Prediction

- Developed a classification model to predict telecom customer churn using the Telco dataset.
- Handled class imbalance with SMOTE and applied hyperparameter tuning via GridSearchCV.
- Used XGBoost within a pipeline (with One-Hot Encoding & Standardization) to achieve high ROC-AUC performance.
- Performed threshold tuning (0.4 cutoff) to optimize recall vs precision trade-off.
- Added model explainability with SHAP plots for feature importance insights.
- Deployed as an interactive Streamlit dashboard for business users to test customer scenarios.
- Tech stack: Python, Pandas, Scikit-learn, Imbalanced-learn, XGBoost, SHAP, Streamlit

Movie Recommendation System (Collaborative Filtering)

- Built a movie recommendation system using KNN-based collaborative filtering on the MovieLens dataset.
- Preprocessed 1M+ ratings and constructed a user-item matrix to compute similarity.
- Developed and deployed an interactive Streamlit app where users can input a movie and get top-N recommendations.
- Packaged the trained model using Pickle for scalable deployment.
- Tech stack: Python, Pandas, Scikit-learn, SciPy, Streamlit