MANTHAN MEHTA

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PROFILE

A Computer Science undergraduate student presently studying his final year, performing well in coursework and willing to put practical skills. Demonstrated skill in communication, problem-solving, and teamwork projects. Proficient in software engineering, programming, analytics, and project management. Looking to provide technical expertise and acquire practical experience.

EDUCATION

Narsee Monjee Institute of Management Studies (NMIMS), Shirpur **July 2022-Present**
Bachelor of Technology | Major: Computer Engineering | CGPA:3.26/4.0

BAPS Swaminarayan, Class 12th, CBSE **June 2022**
Percentage: 70%

Laxmi International School, Class 10th, CBSE **May 2020**
Percentage: 90%

PROJECTS

FASTag Fraud Detection **2025**

- **Tools used / Task Performed**: Python, Pandas, NumPy, Seaborn, Matplotlib, Scikit-learn, Data Preprocessing, Exploratory Data Analysis, Feature Extraction, Classification Models, Data Visualization
- **Description**: Developed a machine learning pipeline that identifies fraudulent FASTag transactions from analyzing toll plaza data. Conducted extensive EDA, data visualizations, feature engineering (e.g., state codes, time-based attributes), and implemented models such as Logistic Regression, Decision Tree, Random Forest, SVM, and KNN. Determined the **Decision Tree model worked best at 99% accuracy** for detecting fraud.

Smart Loan Recovery System with Machine Learning **2025**

- **Tools used /Task Performed:** Python, Pandas, NumPy, Scikit-learn, Data Preprocessing, Exploratory Data Analysis, Feature Engineering, Classification Models, Data Visualization
- **Description:** Developed a machine learning-based system to predict loan recovery outcomes using borrower profiles, loan attributes, repayment history, and collection efforts. Performed EDA and feature engineering on data including demographics, loan tenure, EMI behavior, and legal recovery actions. Trained multiple classification models to identify patterns in recovery status—fully recovered, partially recovered, or outstanding.

T20 World Cup 2022 Analysis **2024**

- **Tools used /Task Performed:** Python, Pandas, Mat plot, Data Visualization, Data Preprocessing
- **Description:** Carried out extensive research on the world-cup that was organized last year to identify which team won the majority of matches, player who scored the most runs in the highest number of matches, which ground was ideal for batting and bowling, what the majority of teams opted to do after winning tosses.

SKILLS

- **Languages:** Python, R, C++ | **Data Visualization:** Google Looker Studio, Tableau, Power BI | **Database:** SQL
- **Frameworks:** NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn
- **Microsoft:** Excel (VLOOKUP, Pivot Table, Macros), PowerPoint
- **Software:** MySQL, Jupyter Notebook, Google Colab, Anaconda
- **Concepts:** Data Visualization, Database Management, Data Analysis, Data Preprocessing, Probability and Statistics
- **Soft Skills:** Leadership Skills, Time Management, Critical Thinking, Problem Solving, Interpersonal and Communication Skills, Analytical, Documentation and Presentation Skills

ACHIEVEMENTS & POSITION OF RESPONSIBILITY

- META: Meta Data Analyst
- App Development Club: Organizing Committee Member
- NM-MUN (Narsee Monjee Model United Nations): Organizing Committee Member
- PROTSAHAN (College Cultural Festival): Organizing Committee Member
- Google Developer Students Club: Organizing Committee Member