

# APRAJITA



## Education

### Vellore Institute of Technology, Bhopal

B.Tech – Computer Science & Engineering

2022 - 2026

CGPA – 8.07

## Core Skills

- **Programming & Tools:** Python, SQL, Excel, Google Sheets, Jupyter Notebook, Tableau
- **Data Analytics:** Data Cleaning, Data Preprocessing, Exploratory Data Analysis (EDA), Data Visualization, Feature Engineering
- **Statistical Techniques:** Descriptive Statistics, Hypothesis Testing, Regression Analysis, Clustering
- **Databases & Deployment:** MySQL, Firebase, Flask (for API deployment)
- **Libraries:** Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn

## Experience

### Tata Motors Limited, Jamshedpur

Dec'24 – Jan'25

#### Data Analytics Intern

- Performed EDA and data visualization on automotive datasets to uncover key trends and insights.
- Developed automated data cleaning and preprocessing pipelines using Python (Pandas, NumPy).
- Built regression models to predict used car prices and evaluated performance using metrics like RMSE and  $R^2$ .
- Deployed analysis results and prediction API using Flask for internal business use.

## Projects

### Smart Recipe App

- Cleaned and preprocessed large-scale recipe and user interaction datasets.
- Visualized recipe trends and user behavior patterns using Matplotlib and Seaborn.
- Created interactive dashboards using Tableau to display insights on popular ingredients, user preferences, and cooking time trends.
- Integrated data-driven recommendations using ingredient similarity scoring.

### Customer Sentiment Analysis

- Collected customer review data from open-source datasets.
- Performed text preprocessing (tokenization, stopword removal, stemming) using Python NLP libraries.
- Conducted sentiment analysis using Naive Bayes Classifier and visualized sentiment trends.
- Presented analysis via interactive dashboards (Tableau) showing sentiment vs. product features.

## Extracurriculars

### Data Science Club, VIT Bhopal

Aug 2023 – Mar 2025

Core Member, HR Team

- Implemented data-driven strategies for member recruitment and project tracking, improving efficiency by 20%.
- Analyzed participation data to optimize event planning and resource allocation.

### English Literary Association, VIT Bhopal

Aug 2023 – Mar 2025

Core Member, PR & Marketing | Technical & Finance Wing

- Collaborating on the development of upcoming promotional campaigns to increase visibility.
- Aiming to boost social media engagement by 20% within the next quarter through targeted content strategies.

## Achievements

- Cleared College Round of Smart India Hackathon (SIH) – 2024
- Top 300 National Teams & Top 10 State-Level in ATL Marathon – 2020
- Awarded Golden Jubilee Scholarship by Tata Motors for academic excellence (Class 10)

## Additional

**Language:** English (Full Proficiency), Hindi (Native)

**Certifications:** Fundamentals of Digital Marketing (March'23), Python by Kaggle (April'23), HTML, CSS and JavaScript for Web Developers – (November'23), Generative AI – IBM (April 2025)