

EDUCATION			
Degree/Certificate	Institute	CGPA / %	Year
M. Tech (Department of Management Sciences)	Indian Institute of Technology, Kanpur	-	2025 - Present
B. Tech (Agricultural Engineering)	College of Agricultural Engineering, Jabalpur	7.83 CPI	2021-25
Higher Secondary Education	Saraswati Gyan Mandir School, Kadod Kalan	90.80 %	2021
Secondary Education	Geeta Devi Public Higher Secondary School, Kadod Kalan	90 %	2019
PROJECTS			
House Price Prediction Machine Learning Regression (GitHub Link) (Self Project) July 2025			
Objective	• House Price Prediction for Mumbai Metropolitan Region:		
Approach	• Predicted the house prices in MMR using linear regression, decision tree regression. • Performed Variable Identification, Univariate analysis, Bivariate analysis over 19 features. • Libraries used: NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn. • Trained Linear regression, Decision tree, Random Forest regression models and evaluated their performance using R2 score, Mean Absolute Error, Root Mean Square Error.		
Result	• Successfully predicted house prices using linear regression and got R 2=0.9681.		
Customer Churn Prediction Machine Learning Classification (GitHub Link) (Self Project) August 2025			
Objective	• To develop a binary classification model to accurately predict which customer is likely to leave.		
Approach	• In this, 20 independent variables are used over 7043 observations. • Data Preprocessing: Cleaned data, Performed One-Hot Encoding and feature scaling. • Analysis: Conducted EDA , including Univariate and Bivariate Analysis for getting insights • Models Used: Employed Decision Tree Classifier , and Random Forest Classifier and optimized performance by handling imbalanced data using SMOTE , also performed PCA • Toolset: Scikit-learn, NumPy, Pandas, Matplotlib, Seaborn		
Result	• Random Forest Classifier with Over SMOTE gave balanced results: Recall = 0.96, Precision = 0.94, F1 Score = 0.95		
Diwali Sales Analysis (GitHub Link) (Self Project) July 2025			
Objective	• To analyze Diwali sales data by preprocessing, exploring, and visualizing key customer and sales metrics, with the goal of identifying patterns and insights into customer demographics, purchasing behavior, and product performance.		
Approach	• Imported and cleaned a dataset with over 11,000 entries, handling missing values and optimizing data types. • Conducted Exploratory Data Analysis to identify key customer segments and purchasing patterns. • Created visualizations using Matplotlib and Seaborn to illustrate gender, age, state, and occupation-based sales trends. • Identified top-selling products and high-revenue segments		
Result	• Improved sales by identifying most selling product categories and products which can help to plan inventory and hence meet the demands. • Highlighted higher purchasing power among females and specific age groups, guiding strategic decision-making		
COURSEWORK & SKILLS *in progress			
Relevant Courses	Data Mining* Probability & Statistics* Operations Research for Management* Introduction to Computing*		
Skills	Python ML Libraries: NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn MySQL*		
Soft Skills	Flexibility Adaptability Team Management Communication Skills Leadership Decision Making		
ACHIEVEMENTS & EXTRACURRICULAR			
• GATE AIR 5 in Agricultural Engineering in year 2025 • GATE AIR 63 in Agricultural Engineering in year 2024 • Participated in Yoga Competition University Level • Participated in National Service Scheme (NSS)			