

EDUCATION

Degree/Certificate	Institute	CPI/%	Year
M. Tech (Department of Management Sciences)	Indian Institute of Technology, Kanpur	-	2025-27
B. Tech (Agricultural Engineering)	C.S.A. University of Agriculture and Technology Kanpur	8.25	2021-25
Higher Secondary Education	Government Inter College Kadaura, Jalaun	77.20 %	2021
Secondary Education	Government Inter College Kadaura, Jalaun	80.83%	2019

KEY PROJECTS

BIG MART SALES PREDICTION | Linear Regression | (Self Project) 🔗 [LINK](#)

Objective	To build a predictive model and find out the sales of each product at a particular store.
Approach	- Analyzed a dataset of 8523 cars with 12 features, detailing characteristics of individual products. - Conducted comprehensive EDA, including data visualization and bivariate analysis. - Imputed missing values using statistical methods and performed VIF-based feature selection. - Treated outliers and engineered features to enhance model performance. - Implemented Linear Regression, Gradient Boosting Regressor, XGB Regressor, Lasso, and Ridge models for prediction.
Result	Best result shows the Gradient Boosting Regressor with 0.6 R square and RMSE of 1038.2

CREDIT RISK MODELLING | Classification | (Self Project) 🔗 [LINK](#)

Objective	To classify which person is eligible for lending loan. Revising the current credit lending strategy of bank.
Approach	- Examined and analyzed a dataset of 51336 customers with 79 features, detailing the CIBIL data of each individual customer. - Performed NULL value treatment and Data Visualization. - For Feature Selection, used chi-square tests, Variance Inflation Factor (VIF), and ANOVA. - Applied feature engineering techniques: - one-hot encoding and label encoding. - Selected and evaluated various models, including Decision Tree, Random Forest, Logistic Regression, K-Nearest Neighbors (KNN), Naïve Bayes, and XG Boost. - Fine-tuned the XG Boost model with hyperparameter tuning to improve its performance.
Result	Got the best accuracy of 0.7843 using XG boost model

MALL CUSTOMERS CLUSTERING ANALYSIS | Clustering | K-means | (Self Project) 🔗 [LINK](#)

Objective	The objective of the unsupervised data-set is to make clusters of customers of a mall with 5 attributes.
Approach	- Examined the data set for null & duplicates. - Performed descriptive statistics, visualization using pair-plot, data analysis. - Checked for class imbalance. - Clustering analysis using K means Clustering, Seaborn, Matplotlib ELBOW Method used to find the optimum cluster number.
Result	4 customer clusters were visualized named: Usual / priority / senior citizen target / young target – customers

COURSEWORK AND SKILLS

Relevant Courses	Probability & Statistics* Data Mining and Knowledge Discovery* Introduction to Computing Operations Research* for Management
Online certification Courses	Python for Beginners —Udemy Python Machine learning: From Beginner to Pro – Udemy Power BI workshop - Office master Geodata processing using python and machine learning by IIRS (ISRO) Deloitte Australia Data Analytics Job Simulation on Forage
Skills	Python ML Libraries: NumPy, Pandas, Matplotlib, Scikit-learn EXCEL SQL* Power BI* Tableau*
Soft Skills	Team Management Leadership Decision Making Communication Skills Adaptability Teamwork

ACHIEVEMENTS & POR

- Secured **AIR 41** in GATE 2025 conducted by IIT Roorkee in **AGRICULTURAL ENGINEERING** with a **GATE SCORE** of **608**
- Secured **AIR 215** in GATE 2024 Conducted by IISC Bangalore in **AGRICULTURAL ENGINEERING** with a **GATE SCORE** of **396**
- Qualified SEBI – Investor Certification Examination in 2025 Conducted by NISM
- Served as a **Campus Coordinator** for Mimamsa 2025 conducted by IISER Pune
- Volunteered NSS for 2 years, organized campaigns like Girls Education, literacy and poverty survey “Ek Bharat Shreshtha Bharat” •