

EDUCATION

Degree/Certificate	Institute	CPI/%	Year
M. Tech (Department of Management Sciences)	Indian Institute of Technology, Kanpur	-	2024-26
B. Tech (Petroleum Engineering)	Rajiv Gandhi Institute of Petroleum Technology, Amethi	8.13	2019-23
Higher Secondary Education	Central Academy, Sardarpura, Udaipur	93.20 %	2019
Secondary Education	Central Academy, Sardarpura, Udaipur	10.00	2017

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	<ul style="list-style-type: none"> 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 Rsquare 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	<ul style="list-style-type: none"> 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, sed 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 XGBoost. Fine-tuned the XGBoost 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	<ul style="list-style-type: none"> 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 Statistical Modelling for Business Analytics Introduction to Computing Operations Research for Management
Online Courses	Python for Machine Learning and Data Science Masterclass -Udemy The Complete SQL Bootcamp – Udemy
Skills	Python ML Libraries: NumPy, Pandas, Matplotlib, Scikit-learn EXCEL SQL
Soft Skills	Team Management Leadership Decision Making Communication Skills Adaptability Teamwork

ACHIEVEMENTS & POR

<ul style="list-style-type: none"> Secured AIR 17 in GATE 2024 conducted by IISC Bangalore in PETROLEUM ENGINEERING with a GATE SCORE of 817. Working as a Junior Placement Coordinator with a 4 - Member team for internship and placement drive of Department of Management Sciences at IIT Kanpur. Received a scholarship for exceptional academic performance in B.Tech. at RGIPT, Amethi. Among TOP 1 PERCENTILE in JEE ADVANCED 2019 with an ALL-INDIA RANK of 14414 and EWS rank of 1555. Headed the Organizing Committee for Team Calling during RGIPT's annual sports fest, "Energia".
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