

EDUCATION			
Degree	Institute	CGPA / %	Year
M. Tech (Department of Management Sciences)	Indian Institute of Technology, Kanpur	-	2026-28*
B. Tech (Agricultural Engineering)	ICAR-IARI, New Delhi	8.51 CGPA	2022-26
Higher Secondary Education	Gyan Vihar Vidyapeeth School, Maihar	94.2 %	2022
Secondary Education	Gyan Vihar Vidyapeeth School, Maihar	94.2 %	2020
SELF PROJECTS			
Customer Churn Prediction Classification (Github)			July 2026
Objective	Developed a supervised machine learning pipeline to predict customer churn using telecom customer data.		
Approach	Built an end-to-end workflow including data preprocessing , missing value treatment , feature engineering , One-Hot Encoding , EDA , and class imbalance handling with SMOTE . Trained and compared Decision Tree and Random Forest classifiers using train-test split and assessed performance through Precision , Recall , F1-Score , Confusion Matrix , and Classification Report .		
Result	The Random Forest classifier outperformed the baseline model after balancing the dataset, achieving Recall: 0.96 , Precision: 0.94 , and F1-Score: 0.95 for churn prediction.		
Prediction of Health Insurance Medical Cost Regression (Github)			August 2026
Objective	Developed a supervised machine learning regression model to predict medical insurance charges from customer demographic and health-related features.		
Approach	Implemented an end-to-end regression pipeline involving EDA , missing value analysis , One-Hot Encoding , feature correlation analysis , log transformation of the target variable, and multicollinearity assessment using VIF. Trained a Linear Regression model with Scikit-learn using a 70–30 train-test split , and assessed performance using Mean Squared Error (MSE) and R² Score .		
Result	Achieved an MSE of 0.1873 and an R² Score of 0.7796 , indicating reliable prediction of health insurance medical costs.		
COURSEWORK & SKILLS			*in progress
Relevant Courses	Data Mining and Knowledge Discovery* Probability & Statistics * Operations Research for Management* Introduction to Computing *		
Skills	Python, Excel ML Libraries: NumPy, Pandas, Matplotlib*, Scikit-Learn*, Seaborn* SQL*		
Soft Skills	Adaptability Team Management Communication Skills Leadership Decision Making		
AWARDS AND ACHIEVEMENTS			
- Secured AIR-25 in GATE AG Exam in 2026 conducted by IIT Guwahati. - Secured AIR-2957 (95.22 Percentile) in ICAR-AIEAA Exam in 2022 conducted by NTA. - Awarded by IARI Academic Distinction Award for obtaining highest Overall GPA in the class. - Secured position in top 0.1% in Mathematics Standards of Secondary Examinations.			