

EDUCATION				
Degree/Certificate		Institute	CGPA / %	Year
M. Tech (Department of Management Sciences)		Indian Institute of Technology, Kanpur	-	2026 - Present
B. Tech (Agricultural Engineering)		ICAR-Indian Agricultural Research Institute	7.3 CPI	2022-26
Higher Secondary Education		Gyan Jyoti Residential Public School, Patna	85.2 %	2021
Secondary Education		Krishna Niketan, Patna	95.8 %	2019
PROJECTS				
Boston House Price Prediction Machine Learning Regression (GitHub Link) (Self Project)				July 2026
Objective	To predict the continuous housing prices in Boston using machine learning regression algorithms based on various structural features.			
Approach	- Conducted exploratory data analysis on dataset with 506 datapoints and 15 features. Toolset: Pandas, NumPy, Matplotlib, Seaborn, Sklearn. - Implemented a Linear Regression model to establish baseline relationships.			
Result	Achieved a maximum R² score of 0.78 using the Linear Regression model.			
Credit Card Fraud Prediction Machine Learning Classification (GitHub Link) (Self Project)				July 2026
Objective	To detect fraudulent credit card transactions using a classification model trained on real-world transaction data.			
Approach	- Performed comprehensive analysis on dataset comprising 284,807 datapoints and 31 features. Toolset: Pandas, NumPy, Matplotlib, Seaborn, Sklearn. - Implemented Logistic Regression model to calculate transaction fraud probabilities.			
Result	Achieved a maximum accuracy of 93% on test data using the Logistic Regression model.			
Customer Segmentation Clustering (GitHub Link) (Self Project)				August 2026
Objective	To predict customer segments using demographic data, marketing-specific metrics, customer engagement indicators, and spending behavior data.			
Approach	- Performed data visualization, including histograms, count plots, and scatter plots, to understand the relationships between features. - Applied K-Means clustering for segmentation: Age & Spending Score, Annual Income & Spending Score, and Age, Annual Income & Spending Score. - Plotted the inertia using the Elbow Method to select the optimal number of clusters for each segmentation. - Visualized the clusters and their boundaries for better interpretation.			
Result	Successfully segmented customers into distinct groups using K-Means clustering, enabling targeted marketing strategies based on demographic and behavioral data.			
COURSEWORK & SKILLS				*in progress
Relevant Courses	Data Mining and Knowledge Discovery* Probability & Statistics* Operations Research for Management* Introduction to Computing*			
Skills	Python ML Libraries: NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn MySQL* Tableau* Excel			
Soft Skills	Flexibility Adaptability Team Management Communication Skills Leadership Decision Making			
POSITION OF RESPONSIBILITY				
Student Representative Undergraduate Class Representative Students’ Union (Post Graduate School Students’ Union – PGSSU) ICAR-Indian Agricultural Research Institute, New Delhi				
- Elected as the Undergraduate Class Representative, representing the interests and concerns of the undergraduate student community. - Acted as a liaison between students and the institute administration, facilitating effective communication and supporting the resolution of student-related issues. - Organized and coordinated major institute events, including the Annual Cultural Fest and Annual Sports Meet, as a core member of the Students' Union.				
ACHIEVEMENTS & EXTRACURRICULAR				
- Secured AIR 21 in GATE 2026 (Agricultural Engineering) Cultural/Literary Ambassador Award ICAR–Indian Agricultural Research Institute, New Delhi - Awarded for excellent achievements in cultural and literary activities during the B.Tech. programme.				