

EDUCATION			
YEAR	QUALIFICATION	EDUCATIONAL INSTITUTION	PERCENTAGE/CGPA
2025 - Present	M.Tech Department of Management Sciences	Indian Institute of Technology, Kanpur	-
2021 - 2025	B.Tech Agricultural Engineering	Dr. Rajendra Prasad central Agriculture University, Bihar	8.466
2021	Higher Secondary Education	Saraswati Girls V M Inter College, Bareilly	81.4%
2019	Secondary Education	Saraswati Girls V M Inter College, Bareilly	85.33%
SELF PROJECTS			
Credit Card Fraud Prediction: Logistic Regression - Performed Comprehensive Analysis on Dataset Comprising 284,807 Datapoints and 31 Features - Utilized Library: Pandas, NumPy, Matplotlib, Seaborn, Sklearn - Achieved a Maximum Accuracy Of 90.8% on Test Data Using Logistic Regression Model Health Insurance Medical Cost Prediction: Linear Regression - There are 1338 unique customer records and 7 different attributes. - Methodology involves sequential phases: Exploratory Data Analysis, Data Preprocessing, Model Building, Model Validation. - The model was trained utilizing the training data, employing Linear Regression. - Result: Mean Square Error (MSE) = 0.1873, R square value: 0.77957. Customer Segmentation: Clustering - Predicted customer segments using demographic data, marketing-specific metrics, customer engagement indicators, and spending behavior data. - 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, 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. - Successfully segmented customers into distinct groups using K-Means clustering, allowing for targeted marketing strategies based on demographic and behavioral data. SMS/Email spam classifier - Developed an efficient Spam Classifier that accurately identifies spam messages or emails. - The project involved data cleaning, EDA, and text preprocessing techniques such as tokenization, stop-word removal, stemming, and vectorization. Multinomial Naïve Bayes algorithm gives best results along with TFIDF vectorization technique. Confusion matrix results – Achieved 100% precision and 97% accuracy. Recall= 78% and F-1 Score = 88%			
COURSEWORK AND SKILLS			
Relevant Courses (Ongoing)	Probability & Statistics Operations Research for Management Data Mining and Knowledge Discovery Introduction to Computing		
Technical Skills	Python ML libraries: NumPy, Pandas Microsoft Excel Microsoft PowerPoint Canva		
ACHIEVEMENTS & EXTRA CURRICULAR			
- Secured AIR 8 in GATE 2025 Examination in Agricultural Engineering conducted by IIT Roorkee. Illuminate workshop on entrepreneurship, IIT Bombay. - Worked as a member of Corporate Relations in E-Cell CAET Pusa and achieved 3rd place in the National Entrepreneurship Challenge - 2022, organized by E-Cell IIT Bombay.			
TRAINING			
Student Trainee (10 weeks) - BIHAR MA DURGA AGRO INDUSTRIES, Bihar. Student Trainee (4 weeks) - ICAR – CIPHET, Ludhiana.			(Aug’24 – Oct’24) (aug’23- Sep’23)