

EDUCATION				
Degree/Certificate		Institute	CGPA / %	Year
M. Tech (Department of Management Sciences)		Indian Institute of Technology, Kanpur	-	2026 - Present
B. Tech (Textile Technology)		Uttar Pradesh Textile Technology Institute Kanpur	8.30	2020-2024
Higher Secondary Education (U.P Board)		Shri Ram Piyare Chaudhary I C N D Reharwa K Basti	75.6	2020
Secondary Education (U.P Board)		DRC RSV Bhiti Mishra Krishnakunj Basti	83.5	2018
PROJECTS				
Medical Insurance Cost Prediction Linear Regression Machine Learning (Github) (Self Project)				
Objective	To develop a Linear Regression model that predicts medical insurance costs based on personal and demographic features. The project demonstrates how machine learning can estimate healthcare expenses accurately.			
Approach	1. Data Preparation – Collected and preprocessed the medical insurance dataset. 2. Encoding - Encoded categorical attributes using Label Encoding and partitioned the dataset into training and testing sets for model development. 3. Model Training – Built and trained a Linear Regression model using Scikit-learn to predict individual medical insurance charges based on demographic and health-related features.. 4. Evaluation – Evaluated model performance using the R² Score on both training and testing datasets.			
Result	Achieved R² = 0.7515 on the training dataset and R² = 0.7447 on the testing dataset, demonstrating strong predictive capability and consistent model generalization for medical insurance cost estimation.			
Credit Card Fraud Detection Logistic Regression Machine Learning (Github) (Self Project)				
Objective	Designed and implemented an end-to-end Binary Classification solution to identify fraudulent credit card transactions by analyzing transaction - level features and estimating the probability of fraud. The project focuses on improving fraud detection, minimizing financial losses, and supporting data-driven risk assessment through predictive analytics.			
Approach	Performed data preprocessing , feature scaling , train-test splitting , and exploratory data analysis (EDA) to prepare high-dimensional credit card transaction data for predictive modeling. Developed a Binary Classification model using Logistic Regression (Scikit-learn) to estimate the probability of fraudulent transactions from high-dimensional transaction features. Evaluated model performance using training and testing accuracy , validating the model's ability to distinguish fraudulent and legitimate transactions.			
Result	Achieved 94.76% Training Accuracy and 92.31% Testing Accuracy , demonstrating strong classification performance and reliable generalization for detecting fraudulent credit card transactions.			
WORK EXPERIENCE				
Business Intelligence & Research Analytics Chairman Office Trident group Aug 2024 – March 2025				
- Analyzed logistics and operational data extracted from SAP using Microsoft excel and dashboard. - Extracted and analyzed SAP data using Microsoft Excel to monitor vehicle entry and exit operation. - Tracked vehicle turnaround time (TAT) and identified vehicle exceeding the predefined TAT to calculate the total detention cost & work to reduce.				
Quality Lab Incharge Trident Yarn Punjab Trident group April 2025 – July 2025				
- Managed day-to-day operations of the yarn quality laboratory, ensuring timely and accurate testing - Conducted quality tests on raw material sliver, roving, and yarn as per standard testing procedures - Analyzed laboratory test results and prepared quality reports for production and management teams.				
Project Bathrobe Trident Sheeting Trident group Aug 2025 – Jan 2026				
- Lead the Bathrobe production and coordinated daily manufacturing operations - Planned and monitored production activities to achieve daily production targets - Coordinated with production, quality, maintenance, and planning teams to ensure smooth line operations. - Tracked daily production, efficiency, and quality KPIs, and reported performance to management - Identified production bottlenecks and implemented corrective actions to minimize downtime				
Intern Trident Sheeting Trident group June 2023 – Aug 2023				
- Executed a project on “Full Utilization of TEXPA Machine” by identifying productivity improvement opportunities. - Gained practical exposure to textile manufacturing, quality control, production planning, and continuous improvement practices.				
CERTIFICATES & ACHIEVEMENTS				
Microsoft Excel Using AI Workshop - OfficeMaster (July 2026)				
- Learned to use 200+ Excel formulas with AI assistance .Gained practical experience in Macros VBA with AI for task automation				
Power BI Workshop Certification - OfficeMaster (May 2025)				
- Completed hands – on training on Microsoft Power Bi - Learned to create interactive dashboards, data visualizations, and AI-powered reports				
Poster Presentation Certificate- 4 th International Conference on ATMP (Nov 2021)				
Presented a poster talk on Topic- High Performance Fibers : a review on current state of art and future challenges				
AIR 24 – GateTF (2024)				
Scored All India Rank 24 in Gate Textile Fibre in year 2024				
COURSEWORK & SKILLS				
Relevant Courses	Data Mining and Knowledge Discovery* Probability & Statistics* Operations Research for Management* Intro. to Computing*			
Skills	Python* ML Libraries*: NumPy, Pandas, Matplotlib, Scikit-learn, NLTK, etc., Excel* Power Bi*			
Soft Skills	Analytical Ability Decision Making Problem Solving Communication Skills Leadership			