

EDUCATION			
YEAR	QUALIFICATION	EDUCATIONAL INSTITUTION	% / CGPA
2026 - Present	M.Tech Department of Management Sciences	Indian Institute of Technology, Kanpur	Ongoing
2021 - 2025	B.Tech Textile Technology	Uttar Pradesh Textile Technology Institute, Kanpur	8.08
2020	Higher Secondary Education UP Board	WWPIC Chinhut, Lucknow	67.0
2018	Secondary Education UP Board	WWPIC Chinhut, Lucknow	82.33

SELF PROJECTS	
E-Commerce Product Return Prediction (Self Project) Tech Stack & Tools Used: Python (NumPy, Pandas) Scikit-Learn Random Forest Logistic Regression Data Analysis 1. Objective & Problem: Built a predictive machine learning model in Python to classify whether an e-commerce order is likely to be returned before shipping. 2. Data Preprocessing & Cleaning: Handled missing values, encoded categorical variables, and performed exploratory data analysis on order records using Pandas and NumPy. 3. Machine Learning Model: Implemented and trained Logistic Regression and Random Forest Classifier models in Scikit-Learn for classification. 4. Model Evaluation & Key Insights: Evaluated model performance using Precision and Accuracy metrics; identified <i>Customer Return History</i> and <i>Product Price</i> as key drivers. 5. Project Accuracy: Achieved an ROC-AUC of 0.9565 and 88.89% precision (Random Forest) predicting e-commerce product returns pre-dispatch; optimized decision thresholds to deliver ~35% net operational savings in reverse logistics Git Hub	
Retail Customer Segmentation Analysis (Self Project) Tech Stack & Tools Used: Python (NumPy, Pandas) Scikit-Learn (K-Means) Matplotlib Seaborn Data Analysis 1. Objective & Problem: Built an unsupervised machine learning model in Python to group retail mall shoppers based on income and spending habits. 2. Data Processing: Cleaned and structured customer data using Pandas and NumPy to extract key numerical features. 3. Machine Learning Model: Implemented the K-Means Clustering algorithm via Scikit-Learn and used the Elbow Method to determine the optimal cluster count. 4. Results & Insights: Visualized distinct behavioral clusters using Matplotlib and Seaborn to help businesses identify target audiences. 5. Project Accuracy: Successfully grouped retail shoppers into distinct behavioral segments using the Elbow Method (WCSS analysis) to optimize the K-Means clustering algorithm. Git Hub	

WORK / INTERNSHIP EXPERIENCE	
Bureau of Indian Standards (BIS) — Summer Intern July 2024 to September 2024 Conducted comprehensive research visits to national institutes (such as Central Coir Research Institute, CCRI, Kerala) to evaluate product standards and ensure industrial compliance. Analyzed industrial testing specifications and aligned manufacturing processes with Indian Standards (IS), supporting national quality standardization frameworks. Assisted in reviewing and documenting technical compliance parameters, improving the overall evaluation process for industrial products New Delhi	

COURSEWORK AND SKILLS	
Relevant Courses*	Probability & Statistics Operations Research for Management Data Mining for Analytics Introduction to Computing (Python)
Online Courses	Learn Python Programming - Beginner to Master (Udemy) MySQL Basics (Great Learning)
Technical Skills	Python (NumPy, Pandas)* SQL* Machine Learning* MS Excel (Data Analysis)* Process Optimization

ACHIEVEMENTS & EXTRA CURRICULAR	
Secured All India Rank (AIR) 35 (Score: 702) in GATE 2026 Examination (Textile Engineering & Fibre Science). Secured All India Rank (AIR) 66 (Score: 628) in GATE 2025 Examination (Textile Engineering & Fibre Science). Awarded Consolation Prize in Hindi Elocution at UPTTI Kanpur (2022–23 session) for exceptional public speaking and presentation performance. Student Member BIS Cell, UPTTI Kanpur: Coordinated national-level quality standardization seminars and workshops in college.	

*Present / Under Progress