

EDUCATION			
Degree/Certificate	Institute	CGPA / %	Year
M. Tech (Department of Management Sciences)	Indian Institute of Technology, Kanpur	---	2026 – 2028*
B. Tech (Textile Technology)	Uttar Pradesh Textile Technology Institute, Kanpur	7.93 CGPA	2020-2024
Higher Secondary Education	Shivaji Inter College, Kanpur	81.00%	2019
Secondary Education	Shivaji Inter College, Kanpur	88.33%	2017
Work Experience			
Vardhman Textiles Limited, Ludhiana, Punjab (Aug 2024 -Nov 2025) Senior Officer – Corporate Technical Services (CTS) - Collaborated with senior leadership (CMD & JMD) to drive techno-commercial decision-making and operational excellence initiatives across all units. - Performed data-driven analysis for process standardization, technology evaluation, machine utilization, and strategic projects on manpower optimization, power efficiency, and conversion cost (Man-Min/kg) to improve productivity, quality, and cost efficiency. - Led cross-functional process improvement initiatives by implementing analytical solutions that optimized manufacturing operations, enhanced operational performance, and supported business decision-making Project :- Optimize and Restructuring of activities & workload on MVS machine. - Conducted a time-motion study and implemented process improvements, reducing manpower requirement by 6 operators/day and delivering an estimated ₹11 lakh annual cost saving.			
PROJECTS			
Medical Insurance Cost Prediction <i>Linear Regression</i> (Self Project) Github August 2026			
Objective	Developed a predictive machine learning model for estimating health insurance costs using demographic and lifestyle data.		
Approach	Dataset includes 1338 data points and 7 features. Methodology involves pre-processed the dataset by encoding categorical features and preparing the data for model training and evaluation. Built and evaluated a Linear Regression model using Python, Pandas, NumPy , and Scikit-learn to predict insurance costs.		
Result	Mean Square Error (MSE) = 0.1873 , R ² score Value 0.74 .		
Bank Customer Churn Prediction <i>Classification</i> (Self Project) Github August 2026			
Objective	Developed a machine learning model to predict bank customer churn, enabling early identification of customers at risk of leaving and supporting data-driven customer retention strategies.		
Approach	Performed data preprocessing and EDA , removed irrelevant features, checked missing/duplicate values, and analyzed churn patterns; trained Decision Tree and Random Forest classifiers and optimized both using GridSearchCV with 5-fold cross-validation .		
Result	Achieved 86.8% accuracy and 0.82 precision with an optimized Random Forest Classifier, enabling reliable prediction of customers likely to churn.		
COURSEWORK & SKILLS *in progress			
Relevant Courses*	Probability & Statistics* Data Mining and knowledge Discovery* Introduction to Computing* Operations Research for Management*		
Skills	Python SQL* Excel Power BI* Pandas NumPy Scikit-learn Machine Learning Data Analysis Data Visualization Statistics		
Soft Skills	Leadership Problem Solving Decision Making Analytical Thinking Team Collaboration Communication.		
ACHIEVEMENTS & EXTRACURRICULAR			
- Secured AIR 33 in GATE 2026 Examination in Textile Engineering conducted by IIT Guwahati. - Behavior Based Safety (BBS) Workshop, Vardhman Textile Ltd— Exposure to workplace safety practices and behavioral safety management. 34th National Convention of Textile Engineers & National Conference on Innovative Textile Materials — Participated in a national-level conference on innovative textile materials, emerging technologies, and industry practices.			