

EDUCATION			
Degree	Institute/Board	CGPA/Percentage	Year
M.Tech (Industrial & Management Engineering)	IIT, Kanpur	8.76*	2021-23
B. Tech (Textile Chemistry)	UPTTI, Kanpur	8.50	2017-21
Senior Secondary Education	UP Board	90.60%	2016
Secondary Education	CBSE	9.4	2013

PROFESSIONAL EXPERIENCE

Data Science Intern | Trident India Ltd- Ludhiana May'30-July'30

Project 1 | Port Data Analysis & Product Type Predictions for Competitive Intelligence

- Automated the Port data cleaning processes, which saved the company's time, efforts, & resources thus, obtained more reliable & accurate data without any human intervention
- Performed **Exploratory Data Analysis** for feature selection, and **One Hot Encoding** for converting categorical variables into Numerical and **Standard Scaling** to enhance the accuracy of models
- Built a predictive model based on historical data to determine the most likely product type based on several features, assisting management in keeping track of the product with ease
- Random forest** was found to be the most reliable model in our case after training and testing evaluation, by using Joblib, the model was dumped into a disc and then the model was loaded to make **predictions** on the **June 2022** port data
- Developed the real-time **dashboards** for port data in **Power BI** to simplify data analysis and help management make decisions quickly

Project 2 | Carton Dimensions Prediction Tool

- When the marketing team receives a bulk order, they must order cartons for packing towels of specific dimensions. The height of the carton depends on several factors, making it more difficult to calculate than the length and width
- Data Collection, Data Cleaning, Exploratory Data Analysis** for feature selection, **Feature Engineering** to synthesize new features, **One Hot Encoding, and Standard scaling**
- After EDA and pre-processing build a **linear regression** model to predict the carton height with training and testing accuracy of **75.70** and **77.56**, respectively
- Finally, created the **front end** using **TKINTER** and deployed the model as an **executable file**

Lead Time Prediction | Jaipur Rugs Dec'21-Jan'22

- Developed the **predictive model** i.e., **Random Forest** for estimating lead-time based on the 20+ independent variables
- Data Wrangling, Data Visualization, Data Transformation, Feature Engineering, and OOPs** concept serves as a component of code
- Hyper-parameter tuning & K-fold Cross Validation** to improve efficiency and validity of models

ACADEMIC PROJECT

Samsung Galaxy M13 Review Analysis | Natural Language Processing | Applied Machine Learning Aug'21-Apr'22

- Analysed the reviews and feedbacks of customers buying the Samsung Galaxy M13 Mobile from the Amazon website
- Using the **Selenium** library, 19k reviews and review titles for Samsung Mobile were **scraped** from the Amazon website
- Performed sentiment analysis of the customer's summary by checking the polarity score with the help of **VADER** and **Roberta** models
- EDA: Generated word cloud of positive and negative sentiments of customers using **NLTK** library
- Identified the reviews with the most negative and positive sentiments, as well as the frequency of the most positive and negative words, plot the bar graph which helps in identifying products' strengths and weaknesses

FIFA-2019 | Linear Regression Analysis | Statistical Modelling for Business Analysis

- Devised an ML model to predict the performance of a player in a realistic FIFA game & determined the various factors associated with the overall performance of the player
- Performed **data cleaning, exploratory data analysis, and correlation**, also checked for **multicollinearity** using **VIF**
- Identified **heteroskedasticity** using the **Breusch-Pagan** test & corrected it by using robust standard errors in regression
- Performed **multi-variate Regression** for **prediction** of the overall performance of the player

COURSEWORK, SKILLS, AND CERTIFICATIONS

<i>Technical Skills:</i>	Python ML Libraries: NumPy, Pandas, Matplotlib, Scikit-Learn, Statsmodels DL Libraries (Beginner): Keras NLTK Data Structures and Algorithms (Basics) SQL (MySQL) Power BI Excel
<i>Academic Courses:</i>	Applied Machine Learning Probability & Statistics Statistical Modelling for Business Analytics Introduction to Computing Marketing Research Operation Research e-Supply Chain Management Business Management Using Cloud
<i>Online Certification:</i>	Data Analysis Using Python MySQL Power BI Statistics for Data Science and Business Analysis Business Communication Skills

POSITION OF RESPONSIBILITIES

Alumni & Corporate Relation Team Coordinator, IIT Kanpur

- Working as an ACR coordinator at IIT Kanpur, assisting in the organization of industry expert talks and webinars, and strengthening the relationship with alumni
- Coordinated the end-to-end process of data collection and updating relevant details of 300+ alumni of MTech IME, IIT Kanpur.
- Successfully conducted 27 webinars where speakers were prominent industrial experts/Alumni

State Coordinator, UNMULAN NGO

- Responsible for managing the promotion, sponsorship, design, and technical team together for the proper functioning of the event.
- Coordinated and conducted 10+ competitions and five significant events with a team of over a hundred volunteers.
- Meticulously managed budget and negotiated with people during National Level **Pixel Poetry & Paintporium** and **SANTULAN** events.

Class Representative, UPTTI, Kanpur

- Resolved issues related to coursework, presentations, and coordination with faculties.

EXTRA-CURRICULAR & SCHOLASTIC ACHIEVEMENTS

- Secured **All India Rank (AIR) 20** in GATE 2021 (TF).
- Completed Discover Your Self Course with Distinction conducted by VOICE
- Gold medals in the relay and mixed relay events at Athletic Event SPHURTI 21, UPTTI Kanpur