

ACADEMIC DETAILS			
YEAR	QUALIFICATION	EDUCATIONAL INSTITUTION	PERCENTAGE/CGPA
2021 – 2023	M.Tech Industrial & Management Engineering	Indian Institute of Technology Kanpur	7.04*
2014-2018	BTech Mechanical Engineering	NIT Patna	6.88
2013	12 th Rajasthan Board	B.R shikshan sansthan Sr Sec Sch chailasi Sikar	77.80%
2011	10 th Rajasthan Board	Adrash gyan mandir Sr Sec Sch Rajnota	71.83 %

Professional Experience		
Jaipur Rugs Company Pvt. Ltd.	Supply Chain Management Intern	<i>(May'22 – July'21)</i>
Objective	<ul style="list-style-type: none"> •To Analyse the demand for various yarns and develop a time series model to Forecast Yarn demand 	
Approach	<ul style="list-style-type: none"> • To Develop the Understanding of different attributes of the bill of material data and past three-year production data • The yarn 23 used over the last three years was generated by merging bill of material (BOM) Data and Production Data • Cleaning of data so that different yarn consumption month-wise can be known and this data can be used for further modelling • Checked for stationarity, trend, and seasonality using ADF-test KPSS-test, and Decompose Plot. • AR, MA, ARMA, ARIMA time series models applied. For ARIMA(p,d,q) parameters p and q, PACF (Partial Autocorrelation function)and ACF used 	
Result	<ul style="list-style-type: none"> • The descriptive analysis shows that for yarn 23 use in first 6 months was around 15 % and for last 6 months it was around 85 % for last 3 years this fact can be used to procure the yarn inventory • ARIMA was the best-fitted model among all the models with RMSE value of 21% of mean consumption 	

Academic Projects		
FIFA-2019 Linear Regression Analysis Statistical Modelling for Business Analysis		<i>(Aug'21-Sep'21)</i>
<ul style="list-style-type: none"> • To predict if the loan will be sanctioned or not by determining various factors affecting the chances of a loan sanction by bank • Performed Data Cleaning, Exploratory Data Analysis, Correlation and checked for multicollinearity using VIF • Identified heteroskedasticity and corrected the consequences of it by using robust standard errors in regression • Performed multi-variate Regression for prediction of the overall performance of the player • The relation between the different features was observed with the overall performance of the player using the Regression model and got R-squared value of .9319 and RMSE = 1.82499 		
Loan Prediction Logistic Regression Analysis Statistical Modelling for Business Analysis		<i>(Sep'21-Oct'21)</i>
<ul style="list-style-type: none"> •To Determine the various factors affecting the chances of sanctioning a loan by the bank and built a model to predict if the loan will be approved or not •Performed EDA, pre-processing, and built a predictive model using 11 features using Logistic Regression •The relation between the different features was observed with the attribute Loan status •Model accuracy was 81.77% and Credit History and Property area show the higher significance 		
Fake Job Post Prediction Applied Machine Learning		<i>(Feb'22-Mar'22)</i>
<ul style="list-style-type: none"> • To predict whether a Job Post mentioned on the internet is real or fake using the techniques of Natural Language Processing (NLP) • Pre-processed the data using Stamping, Tokenization, & Lemmatization & Used the TF-IDF technique for feature extraction from the data • Applied SMOTE oversampling and Random under-sampling techniques to handle the class imbalance problem. The best performing model was VotingClassifier with 0.71 Precision and 0.74 recall for fraudulent classes at 98% accuracy 		
Analysis of customer satisfaction towards Online Shopping Marketing Research		<i>(Jan'22-Apr'22)</i>
<ul style="list-style-type: none"> • To analyze & identify “Customer satisfaction towards online Shopping” by identifying key features • Collected 200+ responses to multiple questions about satisfaction using online surveys, focus groups & personal interviews • Carried out Exploratory Data analysis, Descriptive Research with SPSS and Python on the data (Convenience Random Sampling) • Statistical Analysis using (parametric & non-parametric) tests (One /Two tail t-test, Chi-squared test) to verify hypotheses • It was concluded that E-commerce must have a quality assurance team for non-branded items to gain customers exponentially, around 26% of people with an income of less than 3 LPA and 13% of those with an income of more than 3 LPA prefer non-branded items 		
Agriculture Loan application form Computer Aid Decision Support System		<i>(Jan'22-Apr'22)</i>
<ul style="list-style-type: none"> • Create an easy-to-use agricultural loan application form for semi-literate farmers while maximizing data quality • Designed ER diagrams for ‘bank loan application’ satisfying entity relationships & cardinalities to develop HTML forms & database • Built a Basic prototype of the user interface using HTML, collected data stored using MariaDB & PHP on IIT K web server • Built a database that was used to collect data from the user interface with the help of Structural Query language (SQL) • Conducted test trial for data collection from user interface and stored in the Database successfully 		
Customer Segmentation Applied Machine Learning		<i>(Apr'22-May'22)</i>
<ul style="list-style-type: none"> • The dataset consists of 541909 transactions occurring between Dec'2010 and Dec'2011 with 8 features • Calculated the parameters of RFM: Recency, Frequency, and Monetary values & applied Feature Engineering, &performed Standardization • Applied K-Means Clustering to cluster the customers & found the optimal number of clusters using Elbow Method & Silhouette Analysis • Segmented customers into 3 optimum clusters & visualized the 3 clusters on a 3D scatter plot with RFM values as the 3 indices using matplotlib 		
Credit Card Risk Fraud Detection Applied Machine Learning		<i>(Apr'22-May'22)</i>
<ul style="list-style-type: none"> • Dataset is PCA transformed and highly imbalanced containing 284,807 transactions with 35 features out of 492 frauds • Performed Explanatory Data Analysis (EDA), Data Preprocessing and Data visualization. Class imbalanced data is handled by Under Sampling and Over Sampling. Applied Logistic Regression, Random Forest and Decision Tree with various sampling techniques • Used Accuracy, Recall and F1-score as metrics for comparison. Best model was Random Forest with Over Sampling 		

Coursework, Skills, And Certifications	
Coursework:	Probability and Statistic Data mining & knowledge discovery Statistical Modelling for Business Analytics Applied Machine learning Marketing Research Computer Aided Decision Support System E-Supply Chain Management Operation Research for Management Business Management Using Cloud
Technical Skills :	Python SQL Pandas Scikit-Learn NumPy Stats models NLTK Matplotlib Seaborn Java (basic) HTML PHP (Basic) Excel MS -Word PowerBI Tableau Power Point R
Non-Technical Skills	Analytical Thinking Problem Solving Strategic Thinking Decision Making Adaptability Team Management Communication Skills Interpersonal Skills Leadership Team Work
Certifications	SQL - MySQL for Data Analytics and Business Intelligence (Udemy) Microsoft Power BI Desktop for Business Intelligence (Udemy) Time Series Analysis in Python 2022 (Udemy) Data Analysis Real world use-cases- Hands on Python (Udemy) Python for Data Science and Machine Learning Bootcamp (Udemy)

Achievements and Extracurricular	Position of Responsibility
<ul style="list-style-type: none"> •Secured All India Rank (AIR) 357 in GATE 21 (ME) with 99.70 percentile •Got appreciation certificate from AUTO-NEXT for Automobile Basics and Advanced System with A++ •Worked as PG Orientation Team Member of the counselling service at IIT Kanpur •Secured 3rd Position in event LA LIPSYNCZA at NIT Patna • Participated in various events in KSHITIJ 2017 Fest at IIT Kharagpur 	<p>Media and culture IME MTech IITK Coordinator</p> <ul style="list-style-type: none"> • Maintaining overall data of each student of IME M.Tech. • Developing content for the website, social media, and maintaining the website. • Organizing Cultural events like Freshers, Farewell and Treasury management. <p>Teaching Assistant for the Course MBA671-Managing Service Operation</p> <ul style="list-style-type: none"> •Handling of course logistics and contributed to discussions for improving the course content and delivery