

ACADEMIC DETAILS			
YEAR	QUALIFICATION	EDUCATIONAL INSTITUTION	PERCENTAGE
2019-21	M.Tech(Industrial & Management Engineering)	Indian Institute Of Technology, Kanpur	8.49*(CPI)
2013-17	B.Tech (Mechanical Engineering)	Gurukula Kangri Vishwavidyala, Haridwar	83.86%
2012	Class XII	Sarawati Vidya Mandir Inter College Hamirpur UP	84.40%
2010	Class X	Sarawati Vidya Mandir Inter College Hamirpur UP	78.66%

*upto2nd semester

ACADEMIC PROJECTS	
Applied Machine Learning	<p>Quora Question pair similarity problem (Feb'20-Apr'20)</p> <ul style="list-style-type: none"> The data consisted of 404290 question pairs. 790 Features were created by Exploratory Data Analysis of Question pairs Steps include Basic Statistics, Simple Feature extraction by Intuition, Text Preprocessing, Advanced feature extraction using Fuzzy features, Analysis of text with word cloud, Data Visualization using T-SNE, Featurizing text data with tf-idf weighted Word Vectors Applied Random model , Logistic Regression ,Support vector Machine (SVM), XGBoost with hyper parameter tuning XGBoost showed the best results with train log loss .345 ,test log loss .357 with Precision of .833 and Recall of .9
	<p>Analysis of the Factors Affecting Sales Price of house in King County, USA (Jan'20-Mar'20)</p> <ul style="list-style-type: none"> The dataset contains 19 house features including the price (dependent variable),along with 21613 observations Carried out multivariate statistical regression analysis, performed EDA, checked Multicollinearity by VIF & correlation matrix Breusch-Pagan test showed heteroskedasticity, hence "heteroskedastic robust errors" were used Built linear regression models ,Used Backward elimination approach in multiple regression model and finalized a model with Adjusted R2 without and with robust error was 0.676 & 0.694 respectively
Statistical Modeling for Business Analytics	<p>Telecom Customer Churn Prediction (Mar'20-May'20)</p> <ul style="list-style-type: none"> The dataset contains 7043 rows (customers) and 21 features Such as" tenure", "online security", "paperless billing" etc Performed EDA, Correlation matrix, applied SMOTE to balance the data and RFE (Recursive Feature Elimination) to select the 15 significant features in the baseline model Logit and Probit models were used for classifying the Churn class, features were dropped on the basis of p-value and VIF Logit showed better results as accuracy of about 79% ,precision of 73.8% and a recall of 62.4%,AUC of ROC curve was 0.83
	<p>Box office Movie's worldwide Revenue Prediction (Sept'19-Nov'19)</p> <ul style="list-style-type: none"> The data consisted 3000 train data points, 4398 test data points with 22 attributes and revenue as target variable Steps include Exploratory data Analysis, Feature Engineering, treating missing values Applied Linear Regression, Random Forest, XGBoost . XGBoost showed the best results with RMSE value 2.02

COURSEWORK AND SKILLS	
Relevant Courses	Data Mining and Knowledge Discovery Applied Machine Learning Statistical Modeling for Business Analytics Advance Statistical Methods for Business Analytics Probability & Statistics Introduction to Stochastic Process Operations Management Operations Research for Management Introduction to Computing
Technical Skills	Python(NumPy ,Pandas, Matplotlib, Scikit-learn) R SQL MS Office

SUMMER INTERNSHIP	
<p>Data Science Intern at Harvesting Farmer Network (May'20-Jun'20)</p> <p>Objective : Twitter matching making (tag the potential buyer to seller) and Tag the officials</p> <ul style="list-style-type: none"> Applied an algorithm to scrape tweets of targeted username @HarvestingFN from start date to end date of our choice using twitterscraper. Done tweet text pre-processing as stop words removal, conversion to lowercase using NLTK , pandas. Developed algorithm to extract the information of city, state of the seller from tweet using Python codes. Extract the followers list that follow HFN twitter handle by using tweepy cursors From the list of followers extract their location using Geolocation and Geocoding API. Developed an algorithm to match the city of seller with followers and officials. Applied an algorithm to tag the potential buyer and officials on original tweet using update_status function. 	

POSITIONS OF RESPONSIBILITY	
<ul style="list-style-type: none"> PG Secretary, Academics & Career Council, IIT Kanpur Internship Coordinator at IME department, IIT Kanpur Student Senate Nominee to DPGC , IIT Kanpur Orientation Team Member, Counseling Service,IITK Branch Representative, Mechanical Engineering, GKV Haridwar. 	<p><i>Responsible for managing various sessions of council and gathering students opinion on academics.</i></p> <p><i>Coordinated in a team of 4 and completed the Summer Internship process for IME-MTech batch.</i></p> <p><i>Student representative on issues related to coursework,thesis work and coordination with faculties.</i></p> <p><i>Coordinated with core team of counseling service and helped the students during winter admission.</i></p>

ACADEMIC ACHIEVEMENTS & CERTIFICATIONS	
<ul style="list-style-type: none"> R-Programming A-Z: R for Data Science with real exercises at Udemy Python for Data Science and Machine Learning Bootcamp at Udemy Secured 99.59 Percentile in GATE Mechanical Examination. Secured 1st position in B.Tech. Won 2nd price in 'Concatenation' and 'Junkyard' event in JNAGNI 2015, GKV Haridwar. 	