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ACADEMIC DETAILS					
YEAR	QUALIFICATION	EDUCATIONAL INSTITUTION	PERCENTAGE		
2018-20	M.Tech (Industrial & Management Engineering)	Indian Institute Of Technology, Kanpur	8.0* (CPI)		
2012-16	B.Tech (Mechanical Engineering)	Rajkiya Engineering College, Banda	64.68		
2012	Class XII (ICSE)	Little Flower School, Raptinagar	65.5		
2010	Class X (ISC)	Little Flower School, Raptinagar	61.8		

*upto 2nd semester

SUMMER INTERNSHIP

Data Analyst Intern at Convergytics Solution Pvt Ltd, Bengaluru

(May-July'19)

- Title: Price optimization of Watches using Hierarchical Bayes Choice Model in R.
- Data exploration and manipulation:
 - Preparation of choice data from sales and feature data after preprocessing.
- Model Building:
 - o All the price segmented data was fed into choicemodeIR package in R and different Rbetas file were collected for each segment.
 - Accuracy of each model was calculated by making a function of accuracy which merged Rbetas file and choice dataset and checked if
 the highest sum of utility in each panel is bought by user, likewise best model for each segment was chosen.
- Revenue Optimisation:
 - Splined function was fitted for each panel utility and price datapoints, according to splined function predicted utility of new price point for some elasticity beyond minimum and maximum price for selected item in panel.
 - O Designed optimisation equation and constraints and found optimum value of Item so as revenue gets optimised.
- Packages frequently used: ggplot2, choicemodeIR, data.table, gsub, dplyr,plyr, stringr, tidyr, sqldf, rmarkdown, knitr.

WINTER INTERNSHIP

Data Analyst Intern at Cetpa Infotech Pvt Ltd, Noida

(Dec'18-Jan'19)

- Title: Movie Recommendation System.
- In this project built 3 different recommendation engines based on different ideas and algorithms. They are as follows:
 - o Simple Recommender, Item Based Recommender, User Based Recommender.
- Algorithm used Apriori and Eclat, Tool used was Python, Libraries used were Sklearn, Pandas, Numpy, Matplotlib, SciPy.

Data Mining	To predict sales price of house using Advance Regression techniques.	(Aug'18-Nov'18)			
	Data preprocessing:				
	 The data consisted of 79 explanatory variables, Performed preprocessing and visualized variables for their correlations. 				
	 Applied Boruta and Random forest to predict important variables. 				
	Model Fitting:				
	 Fitted 3 regression models namely Ridge regression, Lasso Regression and Xgboost. 				
	 Xgboost performed the best with RMSE of .1121, averaged Xgboost and Lasso for prediction of sales Price. 				
	 Packages used were knitr, ggplot2, plyr, dplyr, corrplot, caret, gridExtra, Rmisc, random Fores 	t, psych, xgboost			
Statistical Modeling for Business Analytics	Analysis of the Factors Affecting Prices of Real Estates	(Jan'19-Feb'19)			
	 Carried out multivariate statistical regression analysis to study the factors influencing real estate prices. 				
	• Calculated measure of fit, correlation matrix, performed EDA, heteroskedasticity test and checked for multicollinearity and omitted variable bias.				
	 Built log-linear, linear-log, log-log and non-linear models and finalized a model with adjusted RS SER=0.203. 	quared value 0.79 and			
	Ethereum Price Prediction using Time Series Analysis	(Mar'19-Apr'19)			
	 Checked for Stationarity, Seasonality using various tests and EDA for past 4 year data and prediprice for 45 consecutive days. 	cted Ethereum closing			
	Built statistical models Exp. Smoothing, AR Model, ARIMA , ADL model and finalized a model w	ith RMSFE=37.22			
COURSEWORK AND	SKILLS				
	Data Mining and Knowledge Discovery Probability & Statistics Statistical Modelling for Business Analy	tics Computer Aided			
Relevant Courses	Decision Support Systems Operations Research for Management Introduction to Computing Business Cloud Operation Management Renewable Energy- Economics, policy and Regulation Software Project	Management using			
Technical Skills	R MS Office (Excel, Word, PowerPoint) HTML PHP Python (numpy, pandas, matplotlib, plotly) SQ	L MS PROJECT Java			

POSITIONS OF RESPONSIBILITY

• Institute Captain at Rajkiya Engineering College Banda.

ACHIEVEMENTS & CERTIFICATIONS

• Qualified Level 1 of Machine Learning Quiz of Flipkart GRID – Te{a}ch The Machine 2019 and participated in Level 2.