

HEMANT KUMAR

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Education			
Degree/Certificate	Institute	CPI/%	Year
M.Tech. (Industrial and Management Engineering)	Indian Institute of Technology, Kanpur		2022 - Present
B.Tech. (Mechanical Engineering)	Delhi Technological University	67.71	2014 -18
Higher Secondary Education (Jamia Board)	Jamia Senior Secondary School	89.80%	2014
Secondary Education (Jamia Board)	Jamia Senior Secondary School	91.57%	2012
Linear Regression (Self Project)			
Objective	• To make decision whether to focus efforts on mobile app experience or website for maximizing company's revenue		
Approach	• Visualised distplots , examined multicollinearity with correlation , checked heteroskedasticity using residuals plot. • Data Pre-processing: null value treatment, outliers treatment using winsorization • Performed feature elimination based on p-value . Used Statsmodel , Scikit learn for model building		
Result	• The revenue highly depends on time spent by user on app as compared to website • Achieved adjusted R2 of 90% with the final OLS model of only 9 input features with 95% confidence		
Logistic Regression (Self Project)			
Objective	• Predicting whether customer will click on an ad or not, based on the characteristics features of that user		
Approach	• Visualised distplots, examined multicollinearity with correlation matrix • Performed one hot encoding , remove outlier using inter-quartile range • Performed feature elimination based on p-value and Used Statsmodel , Scikit learn for model building		
Result	• Achieved Test accuracy of 91% and Test F-1 score of 91%		
Coursework & Skills (*in progress)			
Relevant Courses	Probability & Statistics* Data Mining and Knowledge Discovery* Introduction to Computing (Java)* Operations research for Management*		
Online Courses	• Python for Data Science and Machine Learning Bootcamp • Power BI A-Z: Hands-On Power BI Training For Data Science • Microsoft Excel - Excel from Beginner to Advanced*		
Skills	Python ML Libraries: NumPy, Pandas, Matplotlib, Scikit-learn, Statsmodels Excel PowerBI		
Soft Skills	Decision Making Adaptability Team Management Communication Skills Leadership Team Work		
Achievements & Extracurriculars			
• Achieved 97.86 percentile among 90k students appeared in GATE 2022 (ME) with GATE Score 638			
• International Paper published at IJAPIE on " Analysis of the factors causing wastes in FMCG using Lean Tools " 2019			
• International Paper (Literature Review) published at IJAPIE on " A Study on Identifying the causes of Lean manufacturing wastes and Eliminating them using lean Tools " 2017			
• 1800+ rating in Blitz (Online Chess) with 98+ percentile worldwide.			
• Fitness Enthusiast : Did transformation from 47 kgs to 67 kgs in 3 years			