



Education			
Degree/Certificate	Institute	CPI/%	Year
M. Tech (Department of Management Sciences)	Indian Institute of Technology, Kanpur	-	2023 - Present
B. Tech (Mechanical Engineering)	FGIET	8.0	2017 -21
Higher Secondary Education	K.V. SECL Jamuna Colliery	74.6%	2017
Secondary Education	K.V. SECL Jamuna Colliery	6.4	2015
Linear Regression (Self Project)			
Objective	To determine whether the company's efforts should be directed towards enhancing the mobile app experience or the website to optimise revenue generation.		
Approach	<ul style="list-style-type: none"> Utilized distplot visualisation, assessed multicollinearity through correlation examination, and verified heteroskedasticity using residual plots. Conducted data pre-processing involving null value handling and outlier treatment through the winsorisation technique. Executed feature selection by considering p-values, employing tools such as Statsmodels and Scikit-learn for constructing predictive models. 		
Result	<ul style="list-style-type: none"> User engagement with the app significantly influences revenue, surpassing the impact of website usage. Attained an adjusted R2 of 90% using the conclusive OLS model, featuring a mere nine input variables, all with a confident 95% level of significance. 		
Link	 E-Commerce		
Logistic Regression (Self Project)			
Objective	To develop a predictive model that determines whether an internet user will click on an advertisement on a company website using the user's features.		
Approach	<ul style="list-style-type: none"> Visualized distribution plots and investigated multicollinearity through correlation matrix analysis. Applied one-hot encoding and conducted outlier removal using the interquartile range method. Conducted feature selection based on p-values and used Statsmodels and Scikit-learn to construct predictive models. 		
Result	Achieved Test accuracy of 91% and Test F-1 score of 91%		
Link	 Advertising		
Coursework & Skills (*in progress)			
Relevant Courses	Probability & Statistics* Statistical Modelling for Business Analytics* Introduction to Computing (Java)* Operations research for Management*		
Online Courses	<ul style="list-style-type: none"> Microsoft Excel (Excel for Beginners Udemy) Python *(Python for everyone Udemy) Machine learning* (Data science and Machine Learning Udemy) 		
Skills	Basic Python ML Libraries: NumPy, Pandas Excel SQL		
Soft Skills	Leadership Adaptability Team Work Problem Solving Time Management Critical Thinking		
Achievements & Extracurriculars			
<ul style="list-style-type: none"> Working as Media and culture DoMS MTech IITK Coordinator, The activities conducted are Maintaining overall data of each student, Developing content for the website, social media, and maintaining the website, Organizing Cultural events like Freshers, Farewell and Treasury management. GATE Rank 384 in PI GATE Year 2023 conducted by IIT KANPUR. National level Hand Ball player. Played for Raipur region, Jabalpur region. Played till Quarter final and contributed as a substitute captain. Co-ordinator in Techy shot (Technical fest at Feroz Gandhi institute of Engineering and technology). Team Captain for Intercollege Basket-ball Championship in Feroz Gandhi institute of Engineering and technology. 			