

Education			
Degree/ Certificate	Institute	CPI/%	Year
M. Tech (Department of Management Sciences)	Indian Institute of Technology, Kanpur		2024 - Present
B. Tech (Mechanical Engineering)	Institute of Engineering and technology Lucknow	8.29	2019 -23
Higher Secondary Education	Little flower house kakarmatta Varanasi UP	91.4%	2018
Secondary Education	Balnicketan Jr high sch ramna jalhupur Varanasi	10	2016
Linear Regression ( <i>SelfProject</i> )			
<b>Objective</b>	To determine whether the company's efforts should be directed towards enhancing the mobile app experience or the website to optimise revenue generation.		
<b>Approach</b>	<ul style="list-style-type: none"> <li>Utilized <b>distplot</b> visualisation, assessed <b>multicollinearity</b> through <b>correlation examination</b>, and verified <b>heteroskedasticity</b> using <b>residual plots</b>.</li> <li>Conducted <b>data pre-processing</b> involving <b>null value handling</b> and outlier treatment through the <b>winsorisation technique</b>.</li> <li>Executed feature selection by considering <b>p-values</b>, employing tools such as Statsmodels and Scikit-learn for constructing predictive models.</li> </ul>		
<b>Result</b>	<ul style="list-style-type: none"> <li>User engagement with the app significantly influences revenue, surpassing the impact of website usage.</li> <li>Attained an adjusted <b>R2 of 90%</b> using the conclusive OLS model, featuring a mere nine input variables, all with a confident <b>95% level</b> of significance.</li> </ul>		
<b>Link</b>	<a href="#">Linear Reoression</a>		
Logistic Regression ( <i>SelfProject</i> )			
<b>Objective</b>	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.		
<b>Approach</b>	<ul style="list-style-type: none"> <li>Visualized distribution plots and investigated multicollinearity through <b>correlation matrix</b> analysis.</li> <li>Applied one-hot encoding and conducted outlier removal using the <b>interquartile range method</b>.</li> <li>Conducted feature selection based on <b>p-values</b> and used Statsmodels and Scikit-learn to construct predictive models.</li> </ul>		
<b>Result</b>	Achieved Test <b>accuracy of 91%</b> and Test <b>F-1 score of 91%</b>		
<b>Link</b>	<a href="#">Logistic Regression</a>		
Coursework & Skills ( <i>*inprogress</i> )			
<b>Relevant Courses</b>	<b>Probability &amp; Statistics*</b>   <b>Statistical Modelling for Business Analytics*</b>   <b>Introduction to Computing(python)</b>   <b>Operations research for Management*</b>		
<b>Online Courses</b>	Core java (Internshala trainings)		
<b>Skills</b>	<b>Python</b>   ML Libraries: <b>NumPy, Pandas, Matplotlib, Scikit-learn, Statsmodels</b>   <b>Excell</b>   <b>MATLAB</b>   <b>SQL</b>		
<b>Soft Skills</b>	Team Management   Leadership   Decision Making   Communication Skills   Adaptability   Team Work		
Achievements & Extracurriculars			

Secured **GATE RANK** of **919(GATE 2024)** in Mechanical Engineering.

Art channel on youtube (Kshitij arts world)