

Education			
Degree/Certificate	Institute	CPI/%	Year
M. Tech (Department of Management Sciences)	Indian Institute of Technology, Kanpur	-	2023 - Present
B. Tech (Mechanical Engineering)	KJ Somaiya College of Engineering	9.5	2018 -22
Higher Secondary Education	SIES College of arts and science	90.15%	2018
Secondary Education	SIES High School	90.8%	2016
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"> <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 <b>outlier treatment</b> through the <b>winsorisation</b> technique.</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>		
Result	<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 <b>adjusted 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>		
Link	<a href="#">Linear Regression</a>		
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"> <li>Visualized distribution plots and investigated multicollinearity through <b>correlation matrix</b> analysis.</li> <li>Applied <b>one-hot encoding</b> 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>		
Result	<ul style="list-style-type: none"> <li>Achieved Test <b>accuracy</b> of <b>91%</b> and Test <b>F-1</b> score of <b>91%</b></li> </ul>		
Link	<a href="#">Logistic Regression</a>		
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"> <li><b>Microsoft Excel</b> (Everyday excel part-1 Coursera)</li> <li><b>Python</b> (Python for everyone part-1 Coursera)</li> <li><b>Machine learning</b> (Data science and Machine Learning Udemy)</li> <li><b>MATLAB</b> (Introduction to programming with Matlab Coursera)</li> </ul>		
Skills	Python   ML Libraries: NumPy, Pandas, Matplotlib, Scikit-learn, Statsmodels   Excel   MATLAB   SQL		
Soft Skills	Team Management   Leadership   Decision Making   Communication Skills   Adaptability   Team Work		
Achievements & Extracurriculars			
<ul style="list-style-type: none"> <li>Working as a <b>Junior Placement Co-ordinator</b> with a 4 - Member team for summer internship drive of Department of Management Sciences, M. tech Y23, IIT Kanpur.</li> <li>Secured <b>GATE RANK</b> of <b>820</b> in <b>Mechanical Engineering</b>.</li> <li>Secured <b>Rank 1</b> in <b>Applied Mathematics</b> and overall <b>3<sup>rd</sup> Rank</b> in first year of B tech</li> <li>Contributed actively as a volunteer in the <b>DD Nationals event</b> (Robocon23).</li> <li>Held the position of <b>Joint General Secretary</b> in PUSH, the prominent <b>student body</b> at <b>KJ Somaiya College of Engineering</b>.</li> <li>Played a pivotal role within the <b>Tail Department</b> Team of ONYX India, the aeromodelling team at KJSCE.</li> <li>Contributed to the <b>design and fabrication</b> of an innovative self-stabilizing spoon.</li> </ul>			