

EDUCATION			
YEAR	QUALIFICATION	EDUCATIONAL INSTITUTION	PERCENTAGE
2022 - Present	M.Tech Industrial & Management Engineering	Indian Institute of Technology Kanpur	-
2016-20	B.Tech Mechanical Engineering	Madan Mohan Malaviya University of Technology, Gorakhpur	7.6 CPI
2015	Higher Secondary Education CBSE	Kendriya Vidyalaya Mughalsarai	85.4%
2013	Secondary Education CBSE	Kendriya Vidyalaya Mughalsarai	9.2 CPI

ACADEMIC SELF PROJECTS
<p>To predict the sales based on advertisement through different platforms using Multivariate Linear Regression.</p> <ul style="list-style-type: none"> Data consisting of sales of the product in 200 different markets with advertising budget in three media – TV, radio and newspaper Steps include Exploratory Data Analysis, dealing with missing values, Data visualization and Outliers Treatment Scaled the Numerical variables using the Min-Max Scaler Operation Checked the distribution of the Residual errors on the train dataset using the fitted model checked for multicollinearity using variance inflation factor (VIF), also looked for omitted variable bias Feature elimination is done based on the p-value and VIF and used Adjusted R squared as the performance metrics for the model <p>Customer Churn Prediction for a Telecom Service Provider</p> <ul style="list-style-type: none"> The Dataset contained 7043 rows (customers) and 21 features such as “customer account”, “customer demographic info”, “tenure” etc Performed EDA on the data and applied the class Imbalance Handling techniques like Random Under sampling, Oversampling and SMOTE Logistic Regression model were applied to classify the Churn class Achieved accuracy around 86 % and Precision of 0.89, recall of 0.86 and F1-Score 0.86 for the minority class with and ROC AUC of 0.94

COURSEWORK AND SKILLS	
Relevant Courses	Data Mining and Knowledge Discovery* Probability & Statistics* Operations Research for Management* Introduction to Computing*
Technical Skills	Python* MS Excel* MS PowerPoint

ACHIEVEMENTS & CERTIFICATIONS
<ul style="list-style-type: none"> Achieved AIR of 325 for GATE Examination in Mechanical Engineering conducted by IIT Kharagpur in 2022 Achieved AIR of 708 for GATE Examination in Mechanical Engineering conducted by IIT Bombay in 2021
EXTRACURRICULAR ACTIVITIES
<ul style="list-style-type: none"> Participated in Hockey Tournament National level Sport Meet at IIT BHU Participated in Swachh Bharat Summer Internship

LinkedIn Profile Link - <https://www.linkedin.com/in/suryanshu-pratap-singh-50b720128/>

GitHub Profile Link - <https://github.com/suryanshu86>

*Present / Under Progress