

**EDUCATION**

Degree/Certificate	Institute	CGPA / %	Year
M.Tech (Management Sciences)	IIT KANPUR	-	2024 - Present
B.Tech (Petroleum Engineering)	RGIPT, JAIS AMETHI	6.32/10	2016 -2020
Higher Secondary Education (CBSE)	JAWAHAR NAVODAYA VIDYALAYA	72%	2015
Secondary Education (CBSE)	JAWAHAR NAVODAYA VIDYALAYA	8/10	2013

SELF PROJECTS**Graduate Admission Prediction | Supervised Learning | (Regression)**

<i>Objective</i>	<ul style="list-style-type: none"> Developed a predictive model using supervised learning to forecast graduate admission outcomes based on 500 observations and 8 features.
<i>Approach</i>	<ul style="list-style-type: none"> EDA (Exploratory Data Analysis) was performed, dropped unnecessary columns. Checked for Correlation between features by plotting the heatmap. Used Scatter plot to check association between all variables. Split the data into train test and assigned dependent and independent variables. Trained the linear regression model on train data and predicted using test data.
<i>Result</i>	<ul style="list-style-type: none"> Mean Absolute Error comes out to be 4%.

Ad Click Prediction | Logistic Regression (classification)

<i>Objective</i>	<ul style="list-style-type: none"> 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.
<i>Approach</i>	<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.
<i>Result</i>	<ul style="list-style-type: none"> Achieved Test accuracy of 91% and Test F-1 score of 91%.

COURSEWORK & SKILLS

- COURSEWORK** | Statistical Modelling for Business Analytics | Operation Research for Management | Probability & Statistics
- SKILLS** | Python | ML Libraries: NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn | MySQL | Excel | PowerBI
- SOFT SKILLS** | Adaptability | Team Management | Leadership | Teamwork.
- Basics of Machine Learning | SQL for Data Science | Basics Of Python | EXCEL

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- Worked as Volunteer in Hospitality Committee of RGIPT's cultural festival KALTARANG'17
- Games captain** in Jawahar Navodaya Vidyalaya, Balla, Raebareli School in 2012.

ACHIEVEMENTS & EXTRACURRICULAR

- Secured **AIR 79** in GATE 2024 Examination in **Petroleum Engineering** conducted by IISc Bengaluru.
- Secured **AIR 147** in GATE 2023 Examination in **Petroleum Engineering** conducted by IIT Kanpur.
- Qualified **JEE Advance examination** in **2016** with an **All India category (SC) rank** of **2424**
- Participated as a **captain** in **volleyball** during **UDGHOSH 2019**, the annual sport festival of **IIT KANPUR**
- Participated as a **captain** in **volleyball** during **SPARDHA 2018**, the annual sport festival of **IIT BHU**
- Got an appreciation certificate by ARPAN Club