AMIT GAURAV

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Amit Gaurav **O** Amit Gaurav

MTech | Department of Management Science | IIT Kanpur

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EDUCATION				
Degree/Certificate	Institute	CGPA/%	Year	
M. Tech (Department of Management Sciences)	Indian Institute of Technology, Kanpur	-	2025 – Present	
B. Tech (Mechanical Engineering)	University Institute of Technology, RGPV Bhopal	7.99 CGPA	2019 – 2023	
Higher Secondary Education (CBSE)	The Earth Public School, Patna	68.40%	2019	
Secondary Education (CBSE)	Litera Valley School, Patna	8.60 CGPA	2017	
SELF PROJECTS Graduate Admission Prediction Supervised Learning (Regression)				

Graduate Admission Prediction Supervised Learning (Regression)		
Objective	 Developed a predictive model using supervised learning to forecast graduate admission outcomes based on 500 observations and 8 features. 	
Approach	 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 assign dependent and independent variables. Trained the linear regression model on train data and predicted using test data. 	
Result	Mean Absolute Error comes out to be 4%.	

Ad Click Prediction | Logistic Regression | (classification)

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	 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% .
COURSEWORK & SKILLS *in progra	

	COURSEWO	RSEWORK & SKILLS *in progra	
Relevant Courses Data Mining and Knowledge Disconnection to Computing*		Data Mining and Knowledge Discovery* Probability & Statistics* Operations Research for Management* Introduction to Computing*	
	Skills	Python ML Libraries: NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn MySQL*	
	Soft Skills	Decision Making Adaptability Team Management Communication Skills Instinctive Teamwork	

ACHIEVEMENTS & EXTRACURRICULAR

- Secured AIR 77 in GATE 2025 Examination in Production & Industrial Engineering conducted by IIT Roorkee.
- Secured AIR 2511 in GATE 2025 Examination in Mechanical Engineering conducted by IIT Roorkee.
- Secured AIR 764 in GATE 2024 Examination in Engineering Sciences conducted by IISC Bengaluru.
- Completed a one-month internship on "Practical Training of Manufacturing of Helical Spring" in North Central Railway (Rail Spring Karkhana, Sithouli, Gwalior)