

Chandan Kumar Yadav

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)	National Institute of Technology, Jamshedpur	8.12 CPI	2016-20
Higher Secondary Education (JAC)	Inter Science College, Hazaribagh	85.20 %	2015
Secondary Education (JAC)	DVC High School, Tilaiya Dam	78.20 %	2013
WORK EXPERIENCE (4 YEARS)			
Larsen & Toubro Limited, Chennai			Aug'20-Oct'24
- Conducted data analysis to identify trends and insights for strategic decisions that increased gross margin of the project by 1.3%. - Led fabrication and painting of 4,800 MT structural steel as In-charge for JSW Cement 1.8 MTPA project of ₹31.20 Cr - Planned monthly schedules, monitored progress, and developed contingency strategies to ensure timely completion of structural fabrication and erection milestones. - Facilitated regular stakeholder meetings and updates to ensure transparency and alignment on project progress and challenges. - Handled client and subcontractor billing, ensuring accurate invoices, on-time submissions and compliance with contract terms.			
SELF PROJECTS			
CO2 Emission prediction Supervised Learning (Regression)			
Objective	The objective of the project is to analyze the influence of various variables on CO2 emissions in vehicles and identify the most significant features affecting CO2 emission.		
Approach	- Conduct Exploratory Data Analysis (EDA), Correlation Analysis on the provided dataset by using popular libraries such as scikit-learn and pandas, Matplotlib, seaborn to Investigate relationships between different vehicle features and CO2 emissions. - Utilize statistical techniques, and visualizations (Prediction Error visualization, for a Linear Regression model which helps to understand how well Linear Regression model is performing) to assess the influence of variables.		
Result	"By visualizing the prediction errors of a Linear Regression model, we can uncover hidden patterns and biases, gaining a deeper understanding of its performance and identifying opportunities for improvement."		
Bank Customer Churn Prediction Supervised Learning (Classification)			
Objective	Developed and executed a ML project focused on bank customer churn prediction using classification techniques		
Approach	- Leveraged Python and popular libraries such as scikit-learn and pandas, Matplotlib, seaborn to preprocess and analyze the dataset. - Engineered relevant features and employed various algorithms, including Random Forest and Decision Tree Classifier, to build predictive models. - Conducted thorough hyperparameter tuning and cross-validation to enhance model accuracy.		
Result	"Achieved accuracy [0.868] precision [0.82] using Random Forest Classifier With Hyperparameter tuning"		
MALL CUSTOMERS CLUSTERING ANALYSIS Clustering K-means			
Objective	The objective of the unsupervised data-set is to make clusters of customers of a mall with 5 attributes.		
Approach	- Examined the data set for null & duplicates. - Performed descriptive statistics, visualization using pair-plot, data analysis. - Checked for class imbalance. - Clustering analysis using K means Clustering, Seaborn, Matplotlib - ELBOW Method used to find the optimum cluster number.		
Result	4 customer clusters were visualized named : Usual / priority / senior citizen target / young target – customers		
COURSEWORK & SKILLS			
Relevant Courses	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* MS Excel		
Soft Skills	Decision Making Adaptability Team Management Communication Skills Leadership Teamwork		

ACHIEVEMENTS & EXTRACURRICULAR

- Secured AIR 787 in GATE 2025 Examination in Mechanical Engineering conducted by IIT Roorkee.
- Secured 1st Rank in Safety Quiz among staff organized by Larsen & Toubro Limited.
- Secured 3rd Position in Football event in URJA'19 (Annual Sports fest of NIT Jamshedpur)
- Participated in Asia's biggest electric solar vehicle championship of ESVC 6th season.
- Member of Manufacturing Team of team RAYS (A student-faculty innovative-grant scheme project at NIT Jamshedpur)
- Contributed as Joint Coordinator in OJASS'18 (Annual technical-management fest of NIT Jamshedpur)
- Completed a one-month vocational training at DVC, gaining practical experience in power plant operations.

