

ABHISHEK TIWARI

M.Tech | Department of Management Sciences | IIT Kanpur

 [Linkdin profile](#)  [Github profile](#)

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EDUCATION			
YEAR	QUALIFICATION	EDUCATIONAL INSTITUTION	PERCENTAGE/CGPA
2024 - Present	M.Tech Department of Management Sciences	Indian Institute of Technology, Kanpur	7.54/10
2018-2022	Bachelor of Technology	Dr. APJ Abdul Kalam Technical University, UP	7.3/10
2016	Higher secondary Education UP Board	Hindu Inter College UP	84.6%
2014	Secondary Education UP Board	Amar Shahid High School UP	85.16%

PROJECTS	
Economic and Social Determinants of Crime Rates: A Cross-Country Analysis (Academic Project) _	
<ul style="list-style-type: none">Built a model to analyze socio-economic factors influencing crime rates.Predicted Crime rates Using 11 features and dataset has 135 entries.Libraries used Pandas, numpy, matplotlib, seaborn.Scaled the Numerical variables using the Standard ScalarChecked for multicollinearity using HeatMap , and elimination of highly correlated features.Encoding of categorical features.Data Preprocessing, Feature Selection and Statistical Modelling are some important steps taken to derive actionable insights.Linear Regression is used in this project	
Medical Insurance cost Prediction (Self Project)	
<ul style="list-style-type: none">Predicted Medical insurance Price Using 7 features and dataset has 1336 entries.Libraries used Pandas, numpy, matplotlib, seaborn, Sklearn.Visual representation of distribution of each column use of seaborn.Encoding of categorical features.Linear Regression is used in this project and this model has R2_Score of 0.74049 for testing data.Prediction system of made for the perdition when features values are provided.	
Loan Approval Prediction using Various ML Models (Self Project)	
<ul style="list-style-type: none">Training data contains 614 instances with 12 features and test data contains 367 instances with 11 features.Steps include Data preprocessing, Exploratory data analysis, Feature engineering, Model building.Handled class imbalance problem by up-sampling positive classes using SMOTE, Creating duplicates.Employed Decision Tree, KNN, Random Forest, Gradient Boots, SVM, Logistic Regression models.Result: - maximum Accuracy = 88.89 (Decision Tree , Random Forest).	

COURSEWORK AND SKILLS	
Relevant Courses*	Advanced Statistics methods for business* Probability & Statistics Operations Research for Management Introduction to Computing (Python) Applied Machine Learning*
Experience	Worked as Sustainability analyst from aug-2022 to june- 2024 at Vardhman Pvt Ltd, Baddi, H.P.
Online Courses	Learn Python Programming- Udemy Introduction to Data Science Linked-in Learning Introduction to SQL Linked-in Learning Introduction to Deep Learning Linked-in Learning Business Analysis Linked-in Learning
Position of Responsibility	Collaborating with Alumni of the Department of Management Sciences (DoMS) and corporate leaders of Tech industry, maintaining good relations with them and leveraging opportunity while acting as bridge between Alumni and Department.
Technical Skills	SQL* Python Machine Learning* Pandas Numpy Power BI Bi-variate Analysis* Seaborn MatplotLib

ACHIEVEMENTS & EXTRA CURRICULAR	
<ul style="list-style-type: none">Secured AIR 14th rank in Gate paper 2024.Alumni and Corporate Relation coordinator at DOMS, IITK.	

*Present / Under Progress