

Bhoopendra Singh Thakur

M.Tech | Department of Management Sciences | IIT Kanpur

+91 6265033676 | bsthakur24@iitk.ac.in | [in](#) | [G](#)

ACADEMIC DETAIL

YEAR	QUALIFICATION	EDUCATIONAL INSTITUTION	PERCENTAGE
2024-26	M.Tech Department of Management Science	Indian Institute of Technology, Kanpur	-
2019-23	B.Tech (Agricultural Engineering)	Jawaharlal Neharu Krishi Viswavidyalaya, Jabalpur	7.85 CPI
2018	Class XII	Govt. PT. Lajja Shankar Jha Model H.S. Excellence School Jabalpur	89.00
2016	Class X	Saraswati H S School, Adhartal, Jabalpur	93.16

PROJECT

Self-Project	1. Sales Forecasting Using Multivariate Linear Regression on Advertising Data <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 & newspaperSteps include Exploratory Data Analysis, dealing with missing values, Data visualization & Outliers TreatmentScaled the Numerical variables using the Min-Max Scaler Operationchecked for multicollinearity using variance inflation factor (VIF), also looked for omitted variable biasFeature elimination is done based on the p-value and VIF and used Adjusted R squared as the performancemetrics for the modelChecked the distribution of the Residual errors on the train dataset using the fitted model
	2. Prediction of house selling <ul style="list-style-type: none">Performed variable identification, Univariate analysis, Bivariate analysis, Outlier treatment, Missing valuetreatment, Feature EngineeringUsed machine learning algorithm i.e., Logistic Regression, K – Nearest Neighbor to predict whether the housegot sold or not based on the data available and to obtain and compare the accuracy score for the test data
	3. Loan Prediction using Machine Learning <ul style="list-style-type: none">Predicted what sorts of people were more likely to get loan using 13 features.Steps included Exploratory Data Anaysis (Univariate or Bivariate), Handling missing values, Feature transformation. Used Machine Learning Algorithm to predict people whose loan gets approved.Algorithm used is Logistic Regression, Decision Tree Classifier, Random Forest Classifier and Naive Bayes Classifier and I got that Logistic Regression model has highest accuracy equals to 83.74%.

COURSEWORK AND SKILLS

Relevant Courses	Statiscal Modelling for Business Analytics Probability & Statistics Introduction to Computing Operation Research for Management	<i>*ongoing</i>
Technical Skill	Python (NumPy, Pandas, Seaborn, Matplotlib, Scikit-learn) SQL MS Excel Power BI	<i>*ongoing</i>

CERTIFIED COURSES

- Python for Data Science & Machine Learning:** Zero to Hero by Udemy.
- Statistics and Hypothesis Testing** for Data Science by Udemy.
- Power BI Mastery:** Zero to Hero Data Skills by Udemy.
- Mastering **Microsoft Excel A Comprehensive Guide** by Udemy.

ACADEMIC ACHIEVEMENT

- Secured Air 9 in GATE-24 in Agricultural Engineering Paper.
- Secured Air 38 in GATE- 23 in Agricultural Engineering Paper.