

ABHISHEK TIWARI

M.Tech | Department of Management Sciences | IIT Kanpur

 [Linkdin profile](#)

 [Github profile](#)

abhitiwari24@iitk.ac.in | +91 6204481709

EDUCATION			
YEAR	QUALIFICATION	EDUCATIONAL INSTITUTION	PERCENTAGE/CGPA
2024 - Present	M.Tech Department of Management Sciences	Indian Institute of Technology, Kanpur	-
2018-22	B.Tech Textile Processing	UPTTI Kanpur	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%

SELF PROJECTS

[Boston house price prediction](#)

- Predicted House Price Using **14** features and dataset has **506** entries.
- Libraries used Pandas, numpy, matplotlib, seaborn.
- Steps include **Exploratory Data Analysis**, dealing with **Data visualization** and Outliers representation.
- Scaled the **Numerical variables** using the **StandardScaler**.
- Checked for **multicollinearity** using **HeatMap**, and elimination of highly correlated features.
- **Linear Regression** is used in this project.

[Medical Insurance cost Prediction](#)

- 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 prediction when features values are provided.

[Loan Approval Prediction using Various ML Models](#)

- 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 Boosts, SVM, Gaussian NB, Categorical NB, Logistic Regression models.
- Result: - maximum Accuracy = 88.89 (Decision Tree, K Neighbors, Random Forest).

COURSEWORK AND SKILLS

Relevant Courses*	Probability & Statistics Operations Research for Management Introduction to Computing (Python)
Experience	Worked as Sustainability analyst from aug-2022 to june- 2024 at Vardhman Textiles pvt ltd.
Online Courses	<ul style="list-style-type: none">• Learn Python Programming - Beginner to Master- Udemy (ongoing)
Technical Skills	SQL* Python* Data analysis Machine Learning*

ACHIEVEMENTS & EXTRA CURRICULAR

- Secured AIR 14th rank in Gate Textile Science paper.
- Alumni and Corporate Relation coordinator at DOMS, IITK.

*Present / Under Progress