

ASHISH PRAJAPATI

M.Tech | Department of Management Science |
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 [LinkedIn Profile Link](#)

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EDUCATION

YEAR	QUALIFICATION	EDUCATIONAL INSTITUTION	CGPA/PERCENTAGE
2024-Present	M.tech Department of Management Science	Indian Institute of Technology Kanpur	-
2018-2022	B.Tech Mechanical Engineering	Madhav Institute of Technology and Science, Gwalior	8.00 CGPA
2017	Higher Secondary Education MPBSE	Saraswati H S School Vindhyanagar M.P.	82%
2015	Secondary Education MPBSE	Saraswati H S School Vindhyanagar M.P.	88.16%

PROJECTS

SELF Projects	1. Laptop Price Predictor Supervised Learning (Regression) Objective- Created a Machine Learning project focused on predicting laptop prices, utilizing various algorithms for Enhanced accuracy. Approach- <ul style="list-style-type: none">Performed EDA, Feature Engineering, Feature Selection, Models Training and Best Model Hyperparameter Tuning.Used Training and prediction Pipeline for AutomationModel used: Linear Regression (Ridge, Lasso, Elastic Net), Decision Tree Regressor, Support Vector Regressor (SVR),Explored ensemble methods: Random Forest Regressor, AdaBoostRegressor, Gradient Boosting Regressor and XGboost(XGBRegressor) and Performed Hyperparameter Tuning using GridSearchCV.Utilized the Pickle library for both data and pipeline serialization.Deploy Best Model Using Streamlit Library. Result- <ul style="list-style-type: none">Best Model: Random ForestRegressor with r2_score =0.88734After Hyperparameter Tuning, r2_score =0.89132
	2. Bank Customer Churn Prediction Supervised Learning (Classification) Objective- Developed and executed a ML project focused on bank customer churn prediction using classification techniques. Approach- <ul style="list-style-type: none">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.Utilized Pickle Library for Saving Model and Used Streamlit to Process the model to web page. Result- Achieved a accuracy [0.868] precision [0.82] using Random Forest Classifier With Hyperparameter tuning.

COURSEWORK AND SKILLS

Relevant Courses (Ongoing)	Statistical Modelling For Business Analytics Probability & Statistics Operations Research for Management Introduction to Computing
Online Courses	<ul style="list-style-type: none">Python for BeginnersMySQL for BeginnersBasic of Machine Learning
Technical Skills	SQL* Python MS Excel

ACHIEVEMENTS

- Secured **96.30** percentile in the **GATE-24 Mechanical Engineering** paper conducted by **IISC Bangalore**.
- Secured **AIR 2328** in the **GATE-24 Engineering Sciences (XE)** Paper conducted by **IISC Bangalore**.
- Awarded by C.M. of Madhyapadesh Shivraj singh Chauhan in **Medhavi Vidyarthi protsahan yojana** in **2017**.
- Awarded by School Pratibha Samman Samaroh in class **10th**.