POOJA PATEL

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EDUCATION DETAILS

YEAR	QUALIFICATION	EDUCATIONAL INSTITUTION	CGPA /%
2024*	M.Tech.|Department of Management Sciences	Indian Institute of Technology Kanpur	-
2018-2022	B.Tech.|Mechanical Engineering	Institute of Engineering and Technology,DAVV,INDORE	9.06
2017	Higher Secondary Education	Kendriya Vidyalaya No. 2, Sagar	89.4
2015	Secondary Education	Kendriya Vidyalaya No. 2, Sagar	9.8

SELF PROJECTS

Bank Customer Churn Prediction |Supervised Learning:
- Developed and executed a ML project focused on bank customer churn prediction using classification techniques.
- 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.
- Achieved an **accuracy** [0.868] |**precision** [0.82]| using **Random Forest Classifier** with **Hyperparameter** tuning.
- Git-hub link: Classification

House Price Prediction for Mumbai Metropolitan Region:
- Predicted the house prices in MMR using **linear regression, decision tree regression.**
- Performed Variable Identification, **Univariate** analysis, **Bivariate** analysis over 19 features.
- Libraries used: **NumPy**, **Pandas**, **Matplotlib**, **Seaborn**, **Scikit-Learn**.
- Trained **Linear regression, Decision tree, Random Forest regression models** and evaluated their performance using **R2 score, Mean Absolute Error, Root Mean Square Error.**
- Successfully predicted house prices using **linear regression** and got **R^2=0.9681**.
- Git-hub link: Linear Regression

COURSEWORK AND SKILLS

RelevantCourses (Ongoing)	Statistical Modelling for Business Analytics|Probability & Statistics|Operations Research for Management| Introduction to Computing|
Technical Skills	Python*|Machine Learning*|MS Excel|MS Powerpoint|MS Word|SQL*|EDA*

ACHIEVEMENTS AND EXTRACURRICULAR

- Secured **97.53 percentile** in GATE 2024 Examination in **Mechanical Engineering** conducted by IISc Bengaluru.
- Secured **95.28 percentile** in GATE 2024 Examination in **Engineering Sciences.**
- Participated in Automobile Expedition SAE – IET DAVV in 2018.
- Member in IET-DAVV TechFest – Contributed to the planning and execution of the event.
- Secured 3rd position in U-14 Kendriya Vidyalaya Regional Sports Basketball Tournament.
- Achieved Certificate of Appreciation from Department of Sciences & Technology, Government of India for participating in senior group of National Children Science Congress 2015 on the focal theme of Impact of Human Activities on Weather and Climate.

Ongoing*