

SHIVAM SACHDEVA

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2K22/MC/149

EDUCATION

B.TECH(Mathematics And Computing)	2022-Present	DELHI TECHNOLOGICAL UNIVERSITY(DTU), NEW DELHI	9.52
CBSE (Class XII)	2021-2022	GYAN DEVI SALWAN PUBLIC SCHOOL	97.6%
CBSE (Class X)	2019-2020	GYAN DEVI SALWAN PUBLIC SCHOOL	98.4 %

ACADEMIC PROJECT

Diamond Price Prediction- Python | Pandas | Scikit-Learn | Flask | Html

Link: <https://github.com/ShivamSachdeva12/DiamondPricePrediction>

- Developed a Diamond Price Prediction system using Python and machine learning techniques to forecast diamond prices based on 10 key features.
- Conducted data preprocessing using scikit-learn to clean data, handle missing and categorical values.
- Implemented regression models including Linear Regression(Lasso,Ridge,ElasticNet) and Decision Tree Regression, selecting the optimal model based on accuracy score.
- Created a user-friendly web application using Flask and HTML to interactively predict diamond prices based on user inputs.

ACADEMIC ACHIEVEMENTS AND AWARDS

- Attained 97.5 percentile in JEE Mains and qualified JEE Advanced demonstrating strong aptitude and proficiency in competitive examinations.
- Achieved a remarkable score of 98.4% in CBSE Board 10th Class, securing the top position within my school and across all institutions under “Salwan Education Trust”.

TECHNICAL SKILLS

<u>Languages</u>	<u>Machine Learning</u>	<u>Web Frameworks</u>
- Python: Data Structures, Libraries such as Pandas, Numpy, Matplotlib, Seaborn.	- Data Preprocessing	- Flask
- Java: Data Structures And Algorithms, Object oriented programming(oops).	- Machine Learning Algorithms such as Linear Regression, Logistic Regression, Decision Tree, Naive Bayes etc.	<u>Databases</u>
- HTML	- Libraries such as Scikit-Learn.	- MySQL

PROFESSIONAL PROFILES

- **LinkedIn:** <https://www.linkedin.com/in/shivam-sachdeva-3a6985270/>

- **Github:** <https://github.com/ShivamSachdeva12>