# VISHAL

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## PROFILE SUMMARY

Dedicated and motivated B.Tech student specializing in Computer Science and Engineering at Rayat Bahara University in Punjab, currently advancing into the 4th year with a projected graduation in 2025. With a passion for data science and a drive for excellence, I bring a dynamic skill set and a proven track record in data analysis, machine learning, and web development. I am committed to leveraging my expertise to contribute effectively to innovative projects and collaborate with interdisciplinary teams.

## PROJECTS

- **Car Price Prediction**
  - Developed a machine learning model to predict car prices.
  - Managed diverse datasets, addressing messing values, and outliers through data cleaning and feature engineering.
  - Tools used : Data analysis, machine learning, visualization techniques
  - Skills : Python, pandas, scikit-learn, matplotlib.
  - Provided insights into the most influential features affecting car prices & Ensured accurate predictions using model evaluation.
- **Real Estate Price Prediction**
  - Predicted real estate price using Linear Regression and Random Forest models
  - Achieved accurate price prediction though robust preprocessing and modeling
  - Skills : Python, pandas, scikit-learn, matplotlib.
  - Handled categorical variables and large-scale data preprocessing effectively.
- **SpaceX Rocket Launch Prediction**
  - Predicted the success of Falcon 9 first stage landings to estimate SpaceX's launch success.
  - Tools used: Data analysis, machine learning, visualization techniques.
  - Skills : Python, pandas , scikit-learn, matplotlib.
  - Provided insights for competitive bidding against SpaceX.
- **Student Management System – Backend Project**
  - Developed a system to manage student processes within the institution.
  - Technologies: Python, MySQL.
  - Skills: Python, MySQL, backend development, database management

## EDUCATION

- ***B.Tech- Computer Science Engineering***                                              ***(06/21 -06/25)***
  *Rayat Bahara University, Punjab*
  ***Professional Certificates***
  - *IBM Data Science Professional Certificate*
  - *Machine Learning and Deep Learning – Fundamentals and Applications (NPTEL)*
  - *Full Stack Development Program (Excellence Education)*
  - *Full Stack Web Development (MCP Technology)*

## SKILLS

- **Programming & Tools:** Python, Git
- **Data Science & Machine Learning:** pandas, scikit-learn, seaborn, matplotlib
- **Databases**: MySQL, MongoDB
- **Other**: Data Analysis, Data Cleaning, Feature Engineering, ,Model Evaluation, Machine Learning, Problem Solving