

Streamlit Application

User Guide

Car Dekho: Used Car Price Prediction

The Streamlit application is designed to be intuitive and easy to use. Here's a step-by-step guide to help you navigate the app:

Step-by-Step Instructions

- Access the Application:

Open the application in a web browser by navigating to the provided URL.

- Input Car Details:

Make: Select the car's make (e.g., "Maruti", "Nissan", "Ford") from the drop-down menu.

Model: Choose the specific model from the list.

Body Type : It will show you the body type of that selected car.

Fuel Type: Choose between "Petrol", "Diesel", "CNG", etc.

Transmission: Select "Manual" or "Automatic".

Seats: It will give you seats available on that car.

Variant : All variants of the selected car will be available

Year of manufacture : we can give Year of car manufactured

Kilometers Driven: Use the slider to input the number of kilometers the car has been driven.

Number of Owners: Select the number of previous owners.

Mileage : Limit of mileage will get selected

City: Choose the city where the car is being sold.

- Predict Price:

Click the "Predict" button.

The application will instantly display the predicted price of the car. Along with car age and efficiency mileage score.

Example Use Case

Scenario:

A customer wants to sell a 2015 Nissan Micra with 10,000 km driven, powered by petrol, with manual transmission, and located in Delhi.

Steps:

- The customer inputs these details into the respective fields.
- Upon clicking "Predict," the application provides an estimated price, say ₹6,00,000.
- The customer can then use this information to set a competitive selling price.

Additional Features

- **Reset Inputs:** Users can reset the input fields to their default values using the "Reset" button.
- **Save Prediction:** Users can download the prediction result as a PDF for future reference.

The screenshot displays a web application titled "Car, Dekho" running on a browser at localhost:501. The application is divided into two main sections: "Input Car Features" on the left and "Car Price Prediction" on the right.

Input Car Features:

- Original Equipment Manufacturer (OEM): Nissan
- Car Model: Nissan Micra
- Body Type: Hatchback
- Fuel Type: Petrol
- Transmission Type: Manual
- Seats: 5.0
- Variant Name: XE
- Year of Manufacture: 2015
- Number of Previous Owners: 1
- Kilometers Driven: 10000

Car Price Prediction:

Predicted Car Price
₹495,926.67

Car Age: 9 years
Efficiency Score: 2.00 km/year

A "Deploy" button is visible in the top right corner of the application interface.