

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", "Honda", "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 the number of seats available on that car.

Variants: 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 Maruti Celerio with 60,000 km driven, powered by petrol, with manual transmission, and located in Chennai.

Steps:

- The customer inputs these details into the respective fields.
- Upon clicking "Predict," the application provides an estimated price, say ₹5,05,000.
- 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 for car price prediction. On the left, a sidebar titled "Input Car Features" contains various input fields: "Original Equipment Manufacturer (OEM)" (Maruti), "Car Model" (Maruti Celerio), "Body Type" (Hatchback), "Fuel Type" (Petrol), "Transmission Type" (Manual), "Seats" (5.0), "Variant Name" (VXI), "Year of Manufacture" (2015), and "Number of Previous Owners" (1). Each field is a dropdown menu except for the year and number of owners, which are numeric inputs with minus and plus buttons. In the top right corner of the sidebar is a "Deploy" button and a menu icon. The main content area has a dark background and features the title "Car Price Prediction" in large white text. Below the title, a light purple box contains the "Predicted Car Price" in red text, followed by the value "₹505,742.50" in large red font. Underneath the price, two smaller lines of text provide additional details: "Car Age: 9 years" and "Efficiency Score: 2.33 km/year".