

User Guide for Streamlit-based CarDekho Price Prediction Application

This guide explains how to interact with the CarDekho-Price Prediction application built using Streamlit. The app allows users to input car details and predict the price based on various features like brand, model, fuel type, etc.

Steps to Use:

1. Input Fields (Left Column):

Users need to provide the following details about the car in the Input Fields:

- **Fuel Type:** Select the fuel type of the car from options like Petrol, Diesel, LPG, CNG, Electric.
- **Body Type:** Choose the body type of the car. Options include Hatchback, SUV, Sedan, MUV, Coupe, etc.
- **Transmission:** Choose whether the car has a Manual or Automatic transmission.
- **Owner:** Select how many previous owners the car has had, ranging from 0 to 5.
- **Brand:** Select the car brand from the available list of brands in the dataset.
- **Model:** After selecting the brand, the app will automatically filter and display the relevant car models. Choose the model from the dropdown.
- **Model Year:** Choose the year when the car was manufactured.
- **Insurance Type:** Select the insurance type (e.g., Third Party, Comprehensive, Zero Dep, etc.).
- **Kilometres Driven:** Use the slider to enter how many kilometres the car has been driven.
- **Mileage:** Enter the car's mileage using the number input (range 5–50 km/litre).
- **Seats:** Select the number of seats in the car from the dropdown.
- **Color:** Choose the color of the car.
- **City:** Select the city where the car is located from the dropdown list.

2. Prediction Button (Right Column):

- **Submit Button:** Once all input fields are filled, press the Predict button to trigger the price prediction.
- **Output:** The predicted price of the car will appear on the screen in the format: **Estimated Price: ₹ [predicted_price]**