

# Streamlit Application

## User Guide

Car Dekho: Used Car Price Prediction

The Streamlit application is designed to offer an intuitive and efficient user experience. Follow these instructions to navigate the application smoothly:

### **Step-by-Step Instructions**

- **Open the Application:**

Launch the web application by entering the provided URL into your web browser.

- **Input Car Informations:**

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

Model: Choose the specific model from the options.

Body Type : The application will automatically display the body type of the selected model.

Fuel Type: Choose the appropriate fuel type, such as "Petrol", "Diesel", or "CNG".

Transmission: Select the type of transmission — "Manual" or "Automatic".

Seats: The app will indicate the number of seats available for the chosen car model.

Variant : View all available variants for the selected car model.

Year of manufacture : Enter the car's manufacturing year.

Kilometers Driven: Use the slider to specify the total kilometers the car has been driven.

Number of Owners: Indicate the number of previous owners of the car.

Mileage : Limit of mileage will get selected

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

- **Predict The Car Price:**

Click the "Predict" button to calculate the estimated price of the car. The application will also provide additional details such as the car's age and its efficiency mileage score

## **.Example Use Case**

### **Scenario:**

A customer wishes to sell a 2018 Honda City that has been driven 40,000 kilometers, runs on petrol, has a manual transmission, and is located in Delhi.

### **Steps:**

- The customer enters these details into the appropriate fields in the application.
- Upon clicking the "Predict" button, the application calculates and displays an estimated price, for example, ₹6,00,000.
- The customer can then utilize this information to set a competitive selling price for the car.

### **Additional Features**

- **Reset Inputs:** Users can clear all input fields to their default values by clicking the "Reset" button.
- **Save Prediction:** Users have the option to download the prediction results as a PDF for future reference.

<

Input Car Features

Original Equipment Manufacturer (OEM)

Tata

Car Model

Tata Tiago

Body Type

Hatchback

Fuel Type

Petrol

Transmission Type

Manual

Seats

5.0

Variant Name

1.2 Revotron XZ

Year of Manufacture

Deploy

:

Car Price Prediction

Predicted Car Price

₹554,197.50

Car Age: 9 years

Efficiency Score: 2.50 km/year