The dataset available at [Car Price Dataset - Kaggle](https://www.kaggle.com/datasets/asinow/car-price-dataset)

**Purpose of the Project**

The major aim of this project is to gain insight into the sales data of cars and the different features that influence their car prices

**About Data**

The dataset was obtained from the Kaggle  [Car Price Dataset - Kaggle](https://www.kaggle.com/datasets/asinow/car-price-dataset) and contains 10,000 entries, each representing information about a car and its price

**Feature Engineering:**

create new features that might better capture the underlying patterns, such as:

* **Car Age (age\_of\_car)** – Derived from the car’s manufacturing year.
* **Mileage per Year (mileage\_per\_year)** – Calculated as total mileage divided by the car’s age.
* **Price per Horsepower (price\_per\_hp)** – A ratio to measure value in terms of performance.
* **Model Popularity (model\_popularity)** – Counts the number of listings per car model to identify demand trends.