LITERATURE SURVEY

Team Id: PNT2022TMID42691

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1. **B. Lavanya 1, Sk. Reshma 2, N. Nikitha 3, M. Namitha 4, L. Kanya Kumari 5, S. Kishore Babu 6 "VEHICLE RESALE PRICE PREDICTION USING MACHINE LEARNING" : ALIET, Vijayawada, India, Vol-11 Issue-01 2021**

Utilizing Machine Learning Algorithms like Linear Regression, Multiple Regression. we will attempt to foster a factual model which will actually want to anticipate the cost of a pre-owned vehicle, in light of past shopper information and a given arrangement of highlights. We will likewise be contrasting the forecast precision of these models to decide the ideal one.

2. **Abdulla Al Shared "Used Cars Price Prediction and Valuation using Data Mining Techniques": Rochester Institute of Technology RIT Dubai DEC 2021**

Using data mining and machine learning approaches, this project proposed a scalable framework for Dubai based used cars price prediction. Buyanycar.com website was scraped using the Parse Hub scraping tool to collect the benchmark data. An efficient machine learning model is built by training, testing, and

evaluating three machine learning regressors named Random Forest Regressor, Linear Regression, and Bagging Regressor.

3. **Dhwani Nimbark 1, Akshat Patel 2, Sejal Thakkar 3 "Car Resale Value Prediction System": International Research Journal of Engineering and Technology (IRJET): Volume: 08 Issue: 05 | May 2021**

Used car resale market in India was marked at 24.2 billion US dollars in 2019. Due to the huge requirement of used cars and lack of experts who can determine the correct valuation, there is an utmost need of bridging this gap between sellers and buyers. This project focuses on building a system that can accurately predict a resale value of the car based on minimal features like kms driven, year of purchase etc. without manual or human interference and hence it remains unbiased.

4. **Marcus Collard "Price Prediction for Used Cars": Mid Sweden University. June 8, 2022**

Cars of a particular make, model, year, and set of features start out with a price set by the manufacturer. As they age and are to their unique history. The more this sets them apart from comparable cars, the harder they become resold as used, they are subject to supply-and-demand pricing for their particular set of features, in addition to evaluate with traditional methods. Using Machine Learning algorithms to better utilize data on all the less common features of a car can more accurately assess the value of a vehicle.

Proposed Method

- A primary objective of this project is to estimate used car prices by using attributes that are highly correlated with a label (Price). To accomplish this, data science and Machine learning has been employed.

- Three regressors (Random Forest Regressor, Linear Regression) have been trained, tested, and compared and benchmarked

- The researchers of this project anticipate that in the near future, the most sophisticated algorithm is used for making predictions, and then the model will be integrated into a mobile app or web page for the general public to use.