IJARSCT
International Journal of Advanced Research in Science, Communication and Technology
International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal
ISSN: 2581-9429
Volume 5, Issue 9, May 2025
Impact Factor: 7.67

Expense Splitter

Sarvar Begum, Y Uday Kiran, D. Harsha Vardhan, J M Sohail, Nagabhushan MN
Department of Computer Science and Engineering
Rao Bahadur Y Mahabaleshwarappa Engineering College, Bellary, Karnataka, India

Abstract: *Accurately determining the price of pre-owned vehicles is challenging due to the interplay of factors like brand, model, age, mileage, fuel type, and market dynamics. Traditional pricing methods often fall short in capturing these complexities. This study introduces an Artificial Neural Network (ANN)-based model designed to predict used car prices with enhanced precision. The approach encompasses data collection, preprocessing (including cleaning, normalization, and encoding), and model training. By leveraging deep learning, the ANN effectively identifies non-linear relationships among variables, outperforming conventional regression models..*

Keywords: Artificial Neural Network (ANN),Used Car Price Prediction, Deep Learning, Data Preprocessing, On-linear Relationships, Real-time Pricing, Market Dynamics

DOI: 10.48175/IJARSCT-27024