IDEATION
for
CAR RESALE VALUE PREDICTION
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IDEA – 1

- The dataset is pre-processed using some sort of pre-processing techniques.
- The preprocessed data is then sent for training the model. The model was constructed with the help of linear regression, lasso regression and ridge regression
- Once the model is being built, the flask application is being constructed for efficient user interface.

IDEA – 2

- After getting the dataset from either real world or from any website, it has been sent to pre-processing stage. Here, the missing values and feature scaling is being done.
- Then the pre-processed data is being sent for training the model which was built using linear regression algorithm. The accuracy and other parameters are being calculated.
- Once the model is being built, the flask application is being constructed

IDEA – 3

- After getting the training dataset, it could be with RandomizedSearchCV algorithm for pre-processing the model and setting the hyper-parameter.
- The ensemble model could be used for getting better accuracy using polling. The algorithm such as decision tress, linear regression, etc., could be used for predicting the resale value.
- Once the model is being fixed the corresponding user interface could be implemented using flask

IDEA-4:

- After pre-processing data by filling out the missing details using any one of the methods, encoding the attributes using one hot encoding, converting the data to numeric dataset

- The pre-processed dataset can be visualized using some visualizing algorithm and at last Artificial neural network could be implemented for providing better accuracy.

- Hyper parameters could be modified based on training the dataset. Validation datasets could use for providing better accuracy results. At last test data could be used for testing.

- Once better accuracy has been obtained, it could combine with flask application for developing user interface.

IDEA-5:

- First step is data cleaning and was to remove unnecessary features then As the second step,some missing values were filled with appropriate values

- Then second step is The Exploratory Data Analysis,While exploring the data, we will look at the different combinations of features with the help of visuals. This will help us to understandour data better and give us some clue about pattern in data.

- The Third step is building machine learning model like Random Forest

    - Ridge Regression
    - Lasso
    - K-Nearest Neighnor
    - XBBoost

  And predicting the efficient algorithm