Development Phase Model Building

Date	12 November 2022
Team ID	PNT2022TMID21553
Project Name	Project – Car Resale Value Prediction

Choose the appropriate model and check the metrics of the models:

Random forest regressor

```
+ Code + Text

CHOOSE THE APPROPRIATE MODEL AND CHECK THE METRICS OF THE MODELS

[23] from sklearn.ensemble import RandomForestRegressor from sklearn.metrics import r2_score

[24] regressor = RandomForestRegressor(n_estimators=1000, max_depth=10, random_state=34) regressor.fit(X_train, np.ravel(Y_train, order='C'))

RandomForestRegressor(max_depth=10, n_estimators=1000, random_state=34)

[25] pred_1 = regressor.predict(X_test) print(r2_score(Y_test, pred_1))

[38] 0.834527626497731
```

Decision Tree classifier

The random forest regressor fits the model better than the decision tree classifier.

So, we save the random forest regressor model.

Save the model: