Project name	Car resale value prediction
Team ID	PNT2022TMID11620
Sprint number	2

Here we developed the machine learning model and saved it as a sav file

```
from sklearn.ensemble import RandomForestRegressor
from sklearn.metrics import r2_score
r=RandomForestRegressor(n_estimators=1000,max_depth=10,random_state=34)

r.fit(X_train,np.ravel(Y_train,order='C'))

y_pred=r.predict(X_test)

print(r2_score(Y_test,y_pred))

fn="resale_model.sav"
pickle.dump(r,open(fn,'wb'))
```

We are creating the Random Forest Regressor instance named r and then we fit that into our own train data and we are testing it the X_test.

Then we will be comparing its r2_score with Y_test and y_pred

The r2_score for our model is 0.8345401773383525