**Steps for Car Price Predictor:**

1. Start Anaconda Prompt:
2. Create Environment

conda create -n carpredictions python=3.7

1. Activate Environment:

activate carpredictions

1. Launch Jupyter Notebook from Prompt or launch it otherwise

Start with Data Science Lifecycle

**Imp Points to note during Project**

1. Correlation Heatmap and calculation

Code –

corrmat = df1.corr()

corr\_features = corrmat.index

plt.figure(figsize=(10,10))

g = sns.heatmap(df1[corr\_features].corr(), annot=True)

1. Calculate feature importance

Code –

from sklearn.ensemble import ExtraTreesRegressor

model = ExtraTreesRegressor()

model.fit(X,Y)

#visual version

feature\_imp = pd.Series(model.feature\_importances\_, index=X.columns)

feature\_imp.nlargest(5).plot(kind='barh')

1. Learn about RandomForest Regressor
2. Learn about Hyperparameter tuning
3. Create Pickle File

Code –

import pickle

# open a file, where you ant to store the data

file = open('random\_forest\_regression\_model.pkl', 'wb')

# dump information to that file

pickle.dump(rf\_random, file)

1. Create requirements.txt

Command –

Pip freeze > requirements.txt

1. Deploy on Heroku