## Week4: Deployment on Flask

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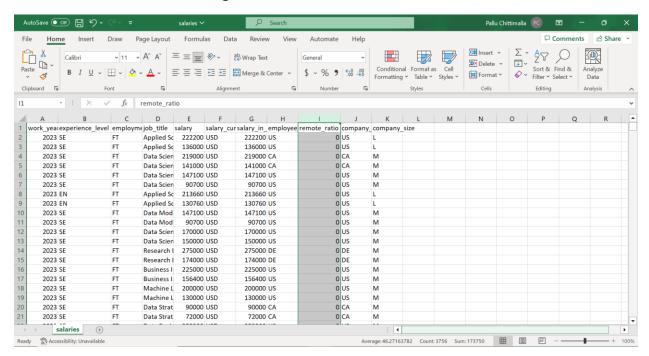
Batch: LISUM22(30 May, 2023 to 30 August, 2023)

Submission date: July 2, 2023

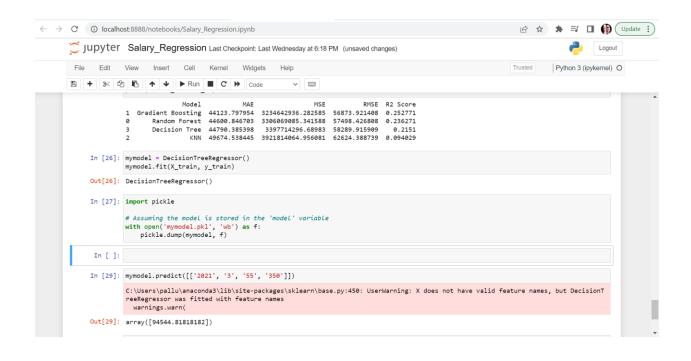
Submitted to:

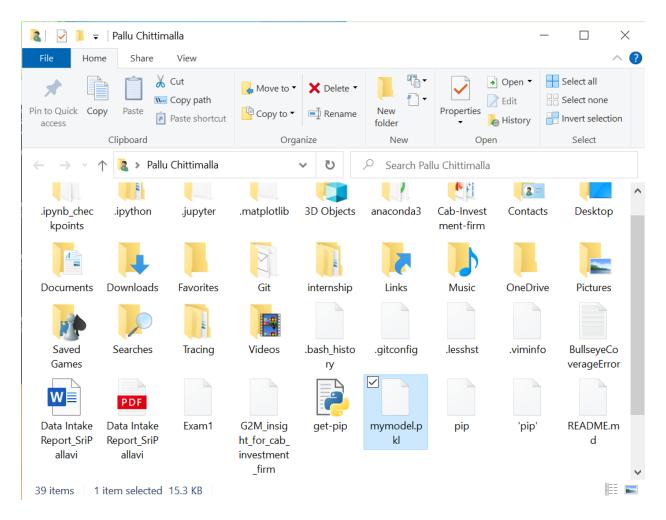
## Steps for deployment

1. Data used for modeling.



- Done the modeling in python jupyter Notebook(ipynb)
- 3. Save the model in pickle





## 4. App is for example

#### 5. Flask

```
☑ C:\Users\pallu\Desktop\Virtual Internship\week 4\deployment_flask.py - Notepad++

File Edit Search View Encoding Language Settings Tgols Macro Run Plugins Window 2
myapppy 3 m deployment flaskpy 3 m wsgipy 3 m indexhtml 3

1 import numpy as np
2 from flask import Flask, request, render_template
3 import plokle
       app = Flask(__name__)
| model = pickle.load(open(r'C:\Users\pallu\mymodel.pkl', 'rb'))
       @app.route('/')

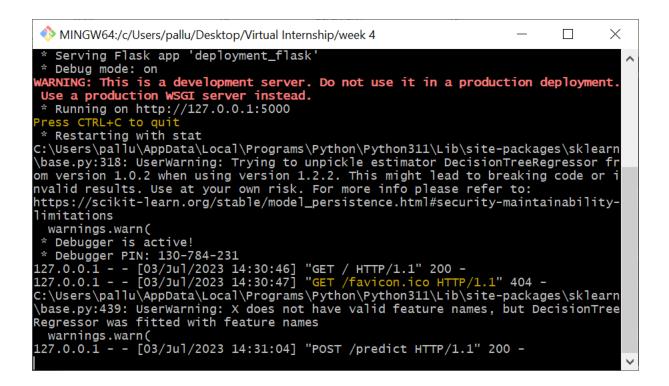
def home():
    return render_template('index.html')
       dapp.route('/predict', methods=['FOST'])
def predict():
    ""
                For rendering results on HTML GUI
               int_features = [int(x) for x in request.form.values()]
final_features = [np.array(int_features)]
prediction = model.predict(final_features)
                output = prediction[0] * 2
                return render_template('index.html', prediction_text='Salary should be $ {}' .format(output))
        length: 730 lines: 27
                                                                                                                             Ln:27 Col:5 Pos:731
Python file
                                                                                                                                                                         Windows (CR LF) UTF-8
                                                                                                                                                                                                                INS
```

#### 6. HTML file

```
| Seed |
```

### 7. Run through bash

```
MINGW64:/c/Users/pallu/Desktop/Virtual Internship/week 4
                                                                                                                                 X
                                                                                                                      C:\Users\pallu\AppData\Local\Programs\Python\Python311\Lib\site-packages\sklearn\base.py
:318: UserWarning: Trying to unpickle estimator DecisionTreeRegressor from version 1.0.2 when using version 1.2.2. This might lead to breaking code or invalid results. Use at your own risk. For more info please refer to:
https://scikit-learn.org/stable/model_persistence.html#security-maintainability-limitati
ons
  warnings.warn(
 * Debugger is active!
 * Debugger PIN: 130-784-231
 ::\Users\pallu\AppData\Local\Programs\Python\Python311\Lib\site-packages\sklearn\base.py
:439: UserWarning: X does not have valid feature names, but DecisionTreeRegressor was f
tted with feature names
  warnings.warn(
127.0.0.1 - - [29/Jun/2023 17:54:08] "POST /predict HTTP/1.1" 200 -
c:\Users\pallu\AppData\Local\Programs\Python\Python311\Lib\site-packages\sklearn\base.py
:439: UserWarning: X does not have valid feature names, but DecisionTreeRegressor was fi
tted with feature names
  warnings.warn(
warnings.warn(
127.0.0.1 - - [29/Jun/2023 17:54:16] "POST /predict HTTP/1.1" 200 -
127.0.0.1 - - [29/Jun/2023 17:54:47] "GET / HTTP/1.1" 200 -
C:\Users\pallu\AppData\Local\Programs\Python\Python311\Lib\site-packages\sklearn\base.py
:439: UserWarning: X does not have valid feature names, but DecisionTreeRegressor was fi
tted with feature names
warnings.warn(
127.0.0.1 - - [29/Jun/2023 17:55:01] "POST /predict HTTP/1.1" 200 -
```



## 8. Web page



# 9. Output with Predicted Salary

