Your Deep Learning Partner

Week #4 Deliverables

Name: Model Deployment on Flask

Report date: 09/28/24

Internship Batch: LISUM37

Version:1.0

Data intake by: Sophonie Sidrac

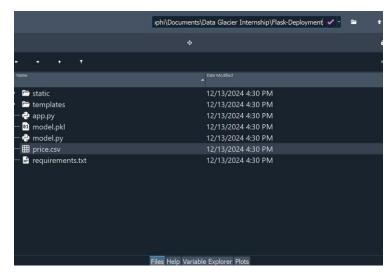
Data intake reviewer: Sophonie Sidrac

Data storage location: GitHub

Github Repo link:

https://github.com/1Sophani/DataGlacier-Internship/tree/main/Week%204

Steps for deployment:



```
"untitled2.py* X model.py X style.css X app.py X index.html X

1  # -*- coding: utf-8 -*-
2  """
3  Created on Fri Dec 13 19:55:51 2024

5  @author: sophi
6  """
7
8  from flask import Flask
9
10  app = Flask(__name__)
11
12  @app.route('/') #http://www.google.com/
def home():
    return "Hello, world!"
15
16  app.run(port=5000)
```

```
imitided2.py* X model.py X style.css X app.py X index.html X

import numpy as np
from flask import Flask, request,render_template
import pickle

app = Flask(_name_)
model = pickle.load(open('model.pkl', 'rb'))

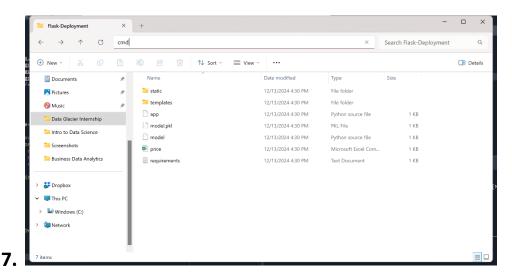
app.route('/')
def home():
    return render_template('index.html')

app.route('/predict',methods=['POST'])
def predict():
    int_features = [int(x) for x in request.form.values()]
final features = [np.array(int_features)]
prediction = model.predict(final_features)
output = round(prediction[0], 2)

return render_template('index.html', prediction_text='House price should be $ {}'.format(output)

if __name__ == "__main__":
    app.run(debug=True)
```

```
| Index.py | Index.py
```



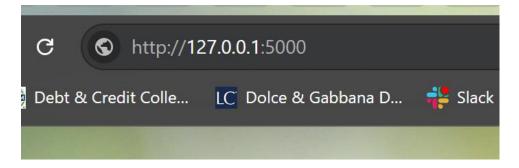
Microsoft Windows [Version 10.0.22631.4317]

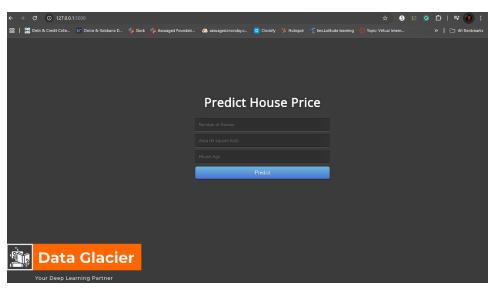
(c) Microsoft Corporation. All rights reserved.

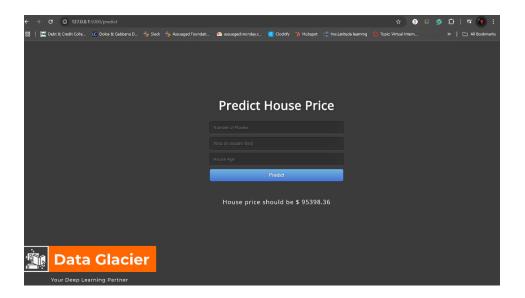
::\Users\sophi\Documents\Data Glacier Internship\Flask-Deployment>python app.py
::\Users\sophi\AppData\Local\Programs\Python\Python38\lib\site-packages\s\local\Programs\py:348: InconsistentVersionWarning:
Trying to unpickLe estimator LinearRegression from version 0.22.1 when using version 1.3.2. This 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-limitations
warnings.warn(
* Serving Flask app 'app'
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000

Press CTRL+C to quit
* Restarting with stat
:\Users\sophi\AppData\Local\Programs\Python\Python38\lib\site-packages\sklearn\base.py:348: InconsistentVersionWarning:
Trying to unpickLe estimator LinearRegression from version 0.22.1 when using version 1.3.2. 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-limitations
warnings.warn(
* Debugger is active!
* Debugger PIN: 124-423-278

```
* Debug mode: on
/ARNING: This is a development server. Do not
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
* Restarting with stat
9.:\Users\sophi\AppData\Local\Programs\Pythor
```







Submitted by: Sophonie Sidrac

Submitted to: Data Glacier Submission Date: 12/01/24