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Batch code : LISUM35
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Submitted To : Dashboard

Heroku Deployment steps:

1. Used insurance data to train and test a model(project i did 3 months ago). I cloned the insurance repository. The dataset and model from week 4.

2. Saved the model into a file using pickle(serialization)

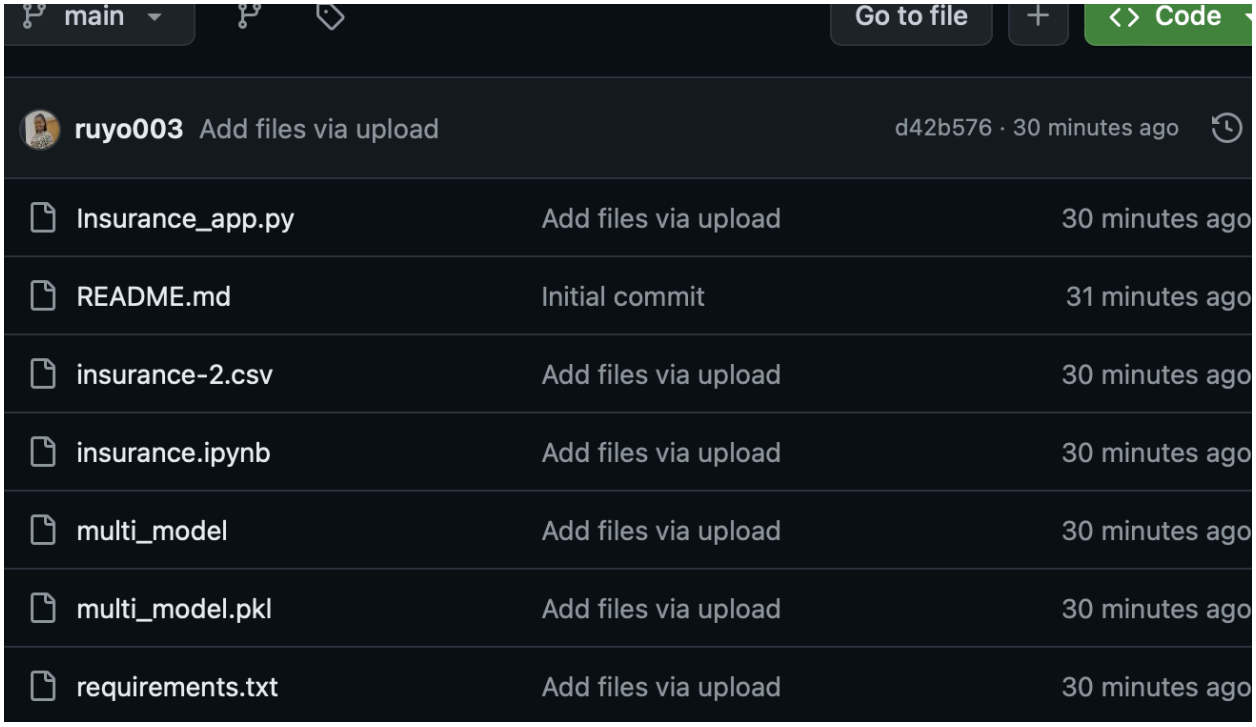
```
[81]: # saving the trained model to a file using pickle(serilization)

with open('multi_model.pkl', 'wb') as multimodel_file:
    pickle.dump(multi_model, multimodel_file)
```

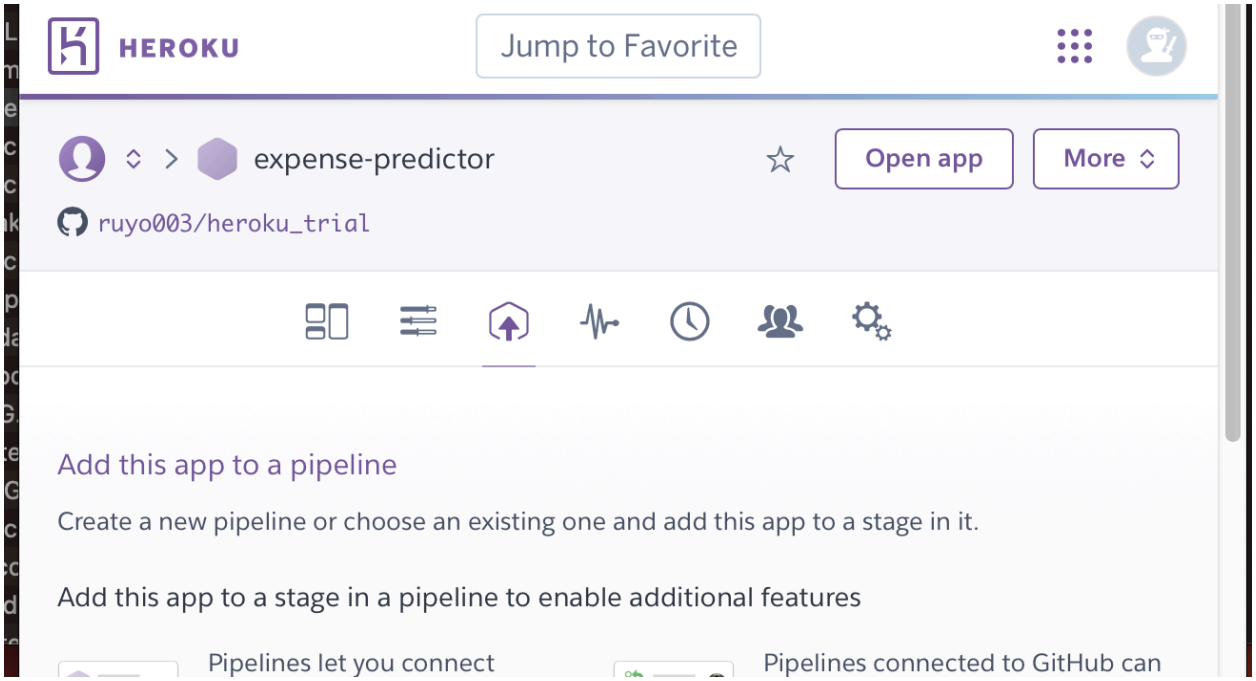
3. Created an app using flask and loaded the model(deserilization) in a python script. Saving everything in the same directory.

```
10  # deserilization
11  with open(multimodel_path, 'rb') as multimodel_file:
12      multi_model = pickle.load(multimodel_file)
13
14  # creating the flask application
15  in_app = Flask(__name__)
16
17  # defining the prediction endpoints
    new *
18  @in_app.route( rule: '/predict', methods = ['POST'])
19
20  def predictin():
21      data = request.get_json(force = True)
22      prediction = multi_model.predict(np.array(data['features']).reshape(1, -1))
23      return jsonify({'prediction': int(prediction[0])})
24
25  if __name__ == '__main__':
26      in_app.run(debug = True)
27
```

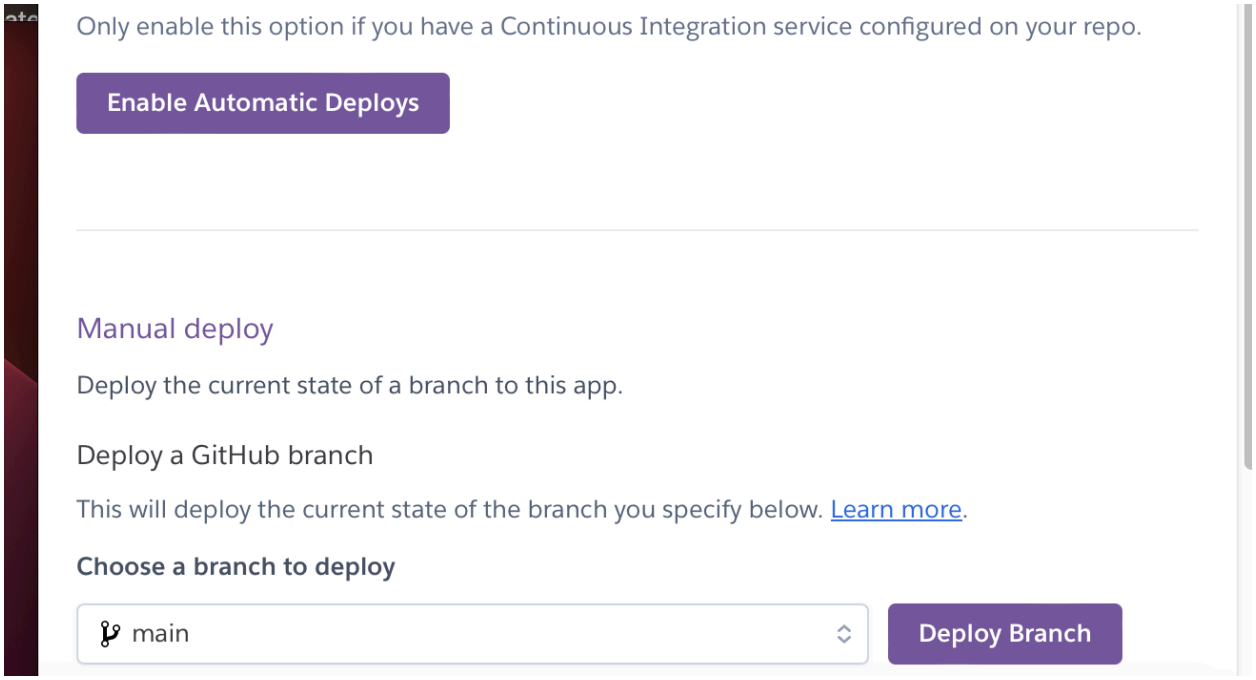
4. Create a repository(Heroku_trial) and uploaded all the files



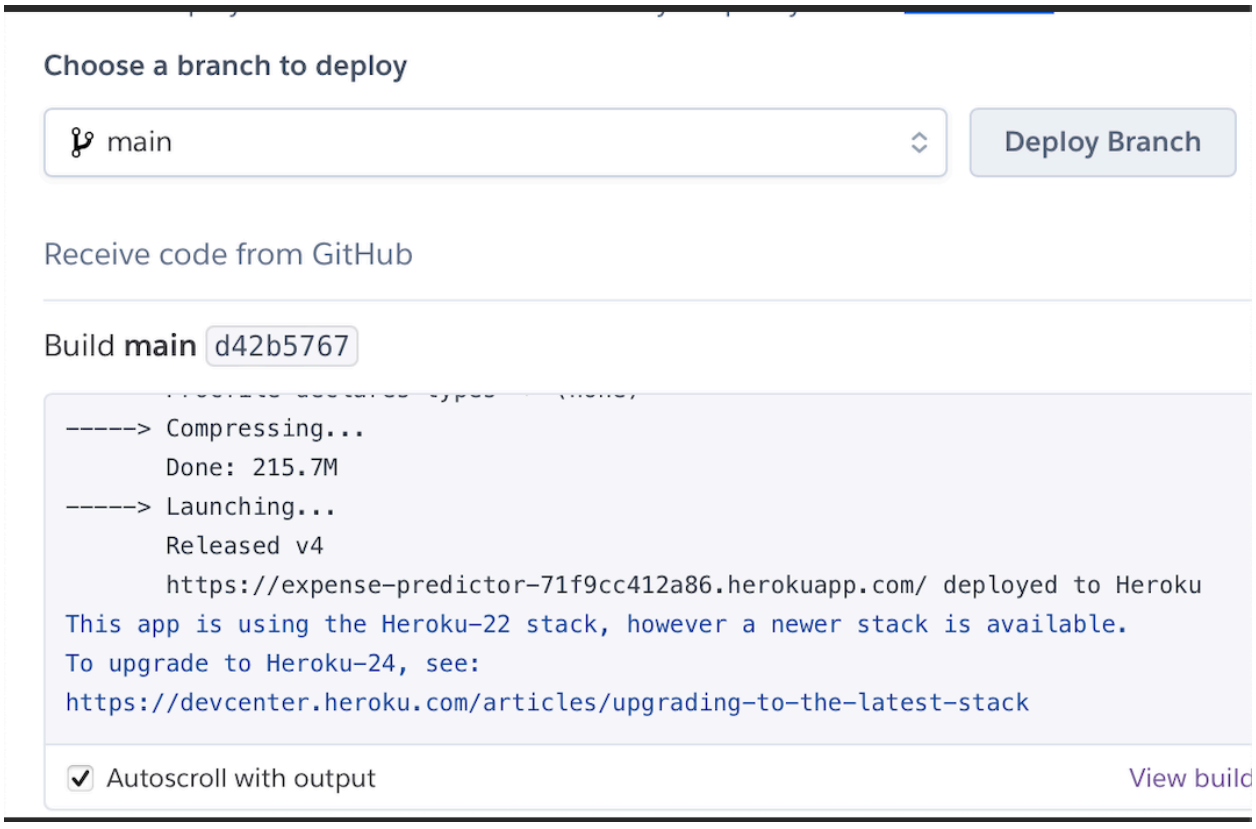
5. Created Heroku account and linked to it to my github repository



6. Deployed my expense predictor model using heroku



7. Got the link below for my prediction.



note : i used the dataset and model from the previous week.