Cloud and API Deployment

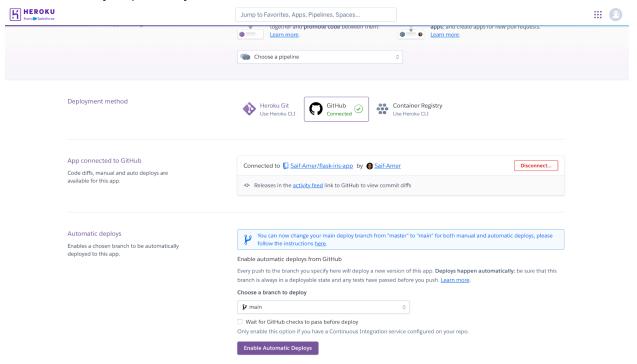
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First I changed the app.py to allow API integration by adding the following:

```
@app.route('/api/predict', methods=['POST'])
def predict api():
  data = request.get json(force=True)
       features = [
           float(data.get('sepal length')),
           float(data.get('sepal width')),
           float(data.get('petal length')),
           float(data.get('petal width'))
       final features = np.array(features).reshape(1, -4)
       prediction = model.predict(final features)
```

```
species dict = {0: 'Setosa', 1: 'Versicolor', 2:
      result = species dict[prediction[0]]
      return jsonify({
           'prediction': result,
           'features': {
               'sepal width': features[1],
               'petal length': features[2],
      return jsonify({
          'message': str(e)
if name == ' main ':
  app.run(debug=True, host='0.0.0.0')
```

I chose to deploy the API on Heroku, I uploaded my files on to github and then connected my repository to the Heroku account



After deploying the branch you can give an argument such as:

{ "sepal_length": 5.1, "sepal_width": 3.5, "petal_length": 1.4, "petal_width": 0.2 }

And it will respond accordingly.