DEPLOYMENT STEPS IN HEROKU:

1.Python App:

main HerokuApp / flask_app.py / Jump to Go to file

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31 lines (24 sloc) 797 Bytes Raw Blame

```python
import numpy as np
from flask import Flask, request, jsonify, render_template
import pickle

import os
from flask import send_from_directory

# Create flask app
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():
    float_features = [float(x) for x in request.form.values()]
    features = [np.array(float_features)]
    prediction = model.predict(features)
    str=prediction[0]

    if prediction[0]==1:
      str="You may have diabetes."
    else:
      str="You probably do not have diabetes."

    return render_template("index.html", prediction_text=str)

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

2.Train model and Load it in Pickel File:

main HerokuApp / model.py / Jump to Go to file

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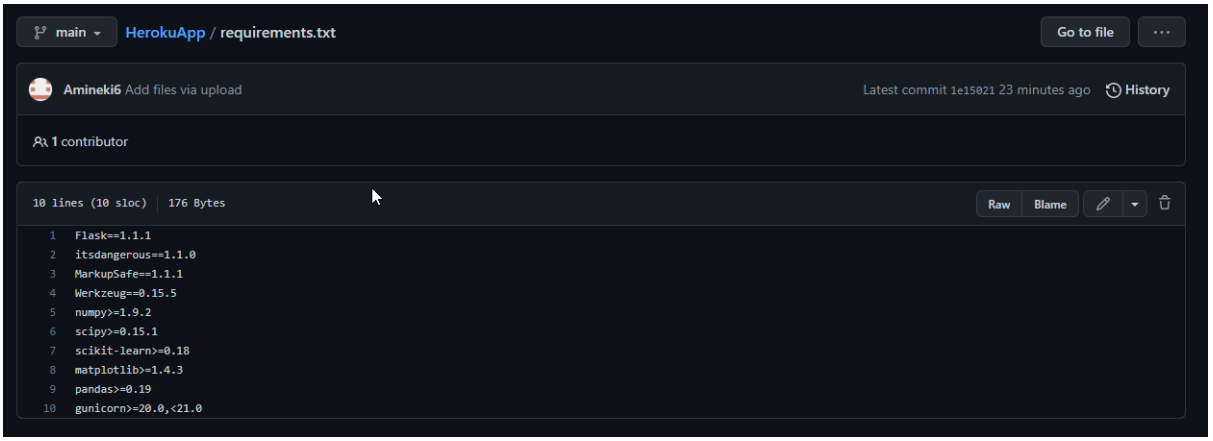
1 contributor

26 lines (17 sloc) 824 Bytes Raw Blame

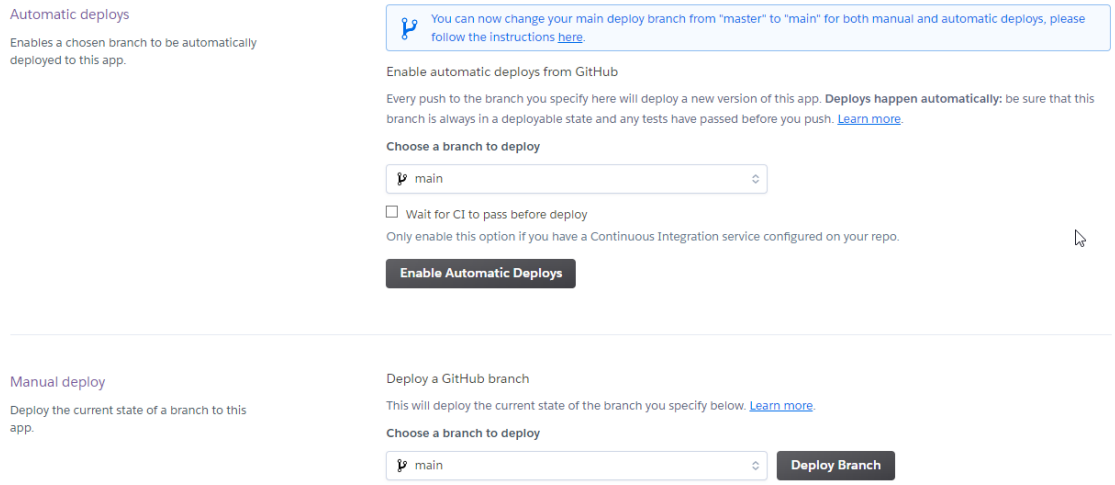
```python
import pandas as pd
from sklearn.preprocessing import StandardScaler
from sklearn.ensemble import RandomForestClassifier
from sklearn.linear_model import LogisticRegression

from sklearn.model_selection import train_test_split
import pickle
from sklearn.metrics import accuracy_score

df = pd.read_csv("diabetes.csv")
df = df[(df.BloodPressure != 0) & (df.BMI != 0) & (df.Glucose != 0)]

X = df[["Pregnancies","Glucose","BloodPressure","SkinThickness","Insulin","BMI","DiabetesPedigreeFunction","Age"]]
y = df["Outcome"]

X_train, X_test, y_train, y_test = train_test_split(X, y, stratify=df.Outcome, random_state=0)

classifier = LogisticRegression(max_iter=1000)

classifier.fit(X_train, y_train)

logpre = classifier.predict(X_test)
print(accuracy_score(y_test,logpre))


pickle.dump(classifier, open("model.pkl", "wb"))
```

3.Create a requirements file that holds all the libraries that need to be installed:




4.Connect Heroku to GitHub repo:


5.Deploy the branch manually:



6.View app on link: https://diabetes-appppredictor-api.herokuapp.com