

Name: Afshan Hashmi

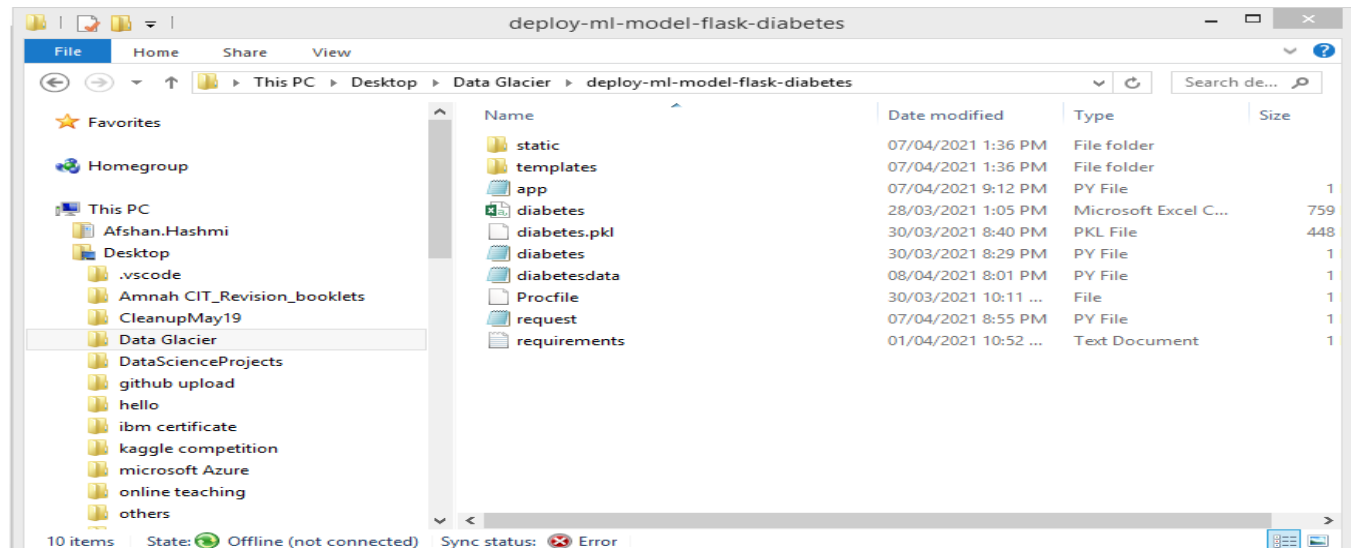
Batch code: LISP01

Submission date: 9 April 9, 2021

Submitted to: Data Glacier

Deploying Diabetes ML Model Webapp using flask on Heroku

Local files



Commit files on Github

main | 1 branch | 0 tags | Go to file | Add file | Code

Inquisitive4Data Add files via upload | a3db774 8 days ago | 7 commits

File	Commit Message	Time
static	Add files via upload	10 days ago
templates	Add files via upload	10 days ago
Procfile	Add files via upload	10 days ago
README.md	Initial commit	10 days ago
app.py	Add files via upload	10 days ago
basics.py	Add files via upload	10 days ago
diabetes.csv	Add files via upload	10 days ago
diabetes.pkl	Add files via upload	10 days ago
diabetes.py	Add files via upload	10 days ago
requirements.txt	Add files via upload	8 days ago

README.md



Creating App on Heroku

App name

check-ur-diabete is available

Choose a region

 United States 

Add to pipeline...

Create app

Connect to Git hub repository

Deployment method



Heroku Git
Use Heroku CLI



GitHub
Connect to GitHub



Container Registry
Use Heroku CLI

Connect to GitHub

Connect this app to GitHub to enable code diffs and deploys.

Search for a repository to connect to



Inquisitive4Data

heroku_diabetes

Search

Missing a GitHub organization? [Ensure Heroku Dashboard has team access.](#)



Inquisitive4Data/heroku_diabetes


Connect

After deployment the web app is running

check-ur-diabetes.herokuapp.com

Puzzle Game in Jav... Gmail TOP Stallion Offre d'emploi Inter... الوظيفة Statistical Azure Machine Lear... Saudi Arabia suspe... basic gi

Check if you are a diabetic!



Pregnancies :

PlasmaGlucose :

DiaBloodPressure :

TricepsThickness :

Serum Insulin :

BodyMassIndex:

DiabetesPedigree :


Age (in years):

Providing the input

check-ur-diabetes.herokuapp.com

Puzzle Game in Jav... Gmail TOP Stallion Offre d'emploi Inter... الوظيفة Statistical Azure Machine Lear... Saudi Arabia s

Check if you are a diabetic!



Pregnancies :

PlasmaGlucose :

DiaBloodPressure :

TricepsThickness :

Serum Insulin :

BodyMassIndex:

DiabetesPedigree :

Age (in years):

Got the predictions

check-ur-diabetes.herokuapp.com/predict

Puzzle Game in Jav... Gmail TOP Stallion Offre d'emploi Inter... Statistical a... الوظيفة Azure Machine Lear... Saudi Arabia suspe...

PREDICTION :

Ohhh you are a Diabetic




[go back to home page](#)

Providing different inputs

check-ur-diabetes.herokuapp.com

Puzzle Game in Jav... Gmail TOP Stallion Offre d'emploi Inter... Statistical a... الوظيفة Azure Machine Lear... Saudi Ara

Check if you are a diabetic!



Pregnancies :

PlasmaGlucose :

DiaBloodPressure :

TricepsThickness :

Serum Insulin :

BodyMassIndex:

DiabetesPedigree :

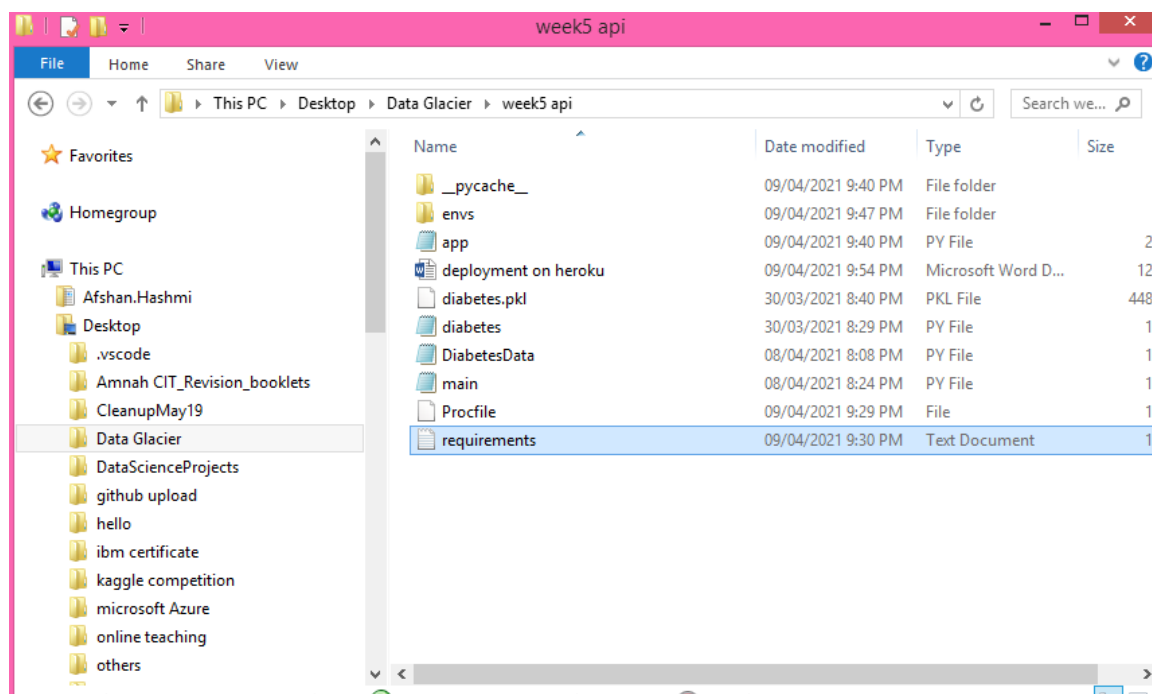
Age (in years):

Got the next prediction



Deploying Diabetes ML Model API on Heroku (using Fast Api)

Local Files



Commit files on github

main


1 branch

0 tags










Go to file

Add file

Code

 Inquisitive4Data Add files via upload

202e0eb 11 minutes ago 2 commits

 DiabetesData.py	Add files via upload	11 minutes ago
 Procfile	Add files via upload	11 minutes ago
 README.md	Initial commit	17 minutes ago
 app.py	Add files via upload	11 minutes ago
 diabetes.csv	Add files via upload	11 minutes ago
 diabetes.pkl	Add files via upload	11 minutes ago
 diabetes.py	Add files via upload	11 minutes ago
 main.py	Add files via upload	11 minutes ago
 requirements.txt	Add files via upload	11 minutes ago


Creating Api on Heroku

App name

api-predict-diabetes is available


Choose a region

 United States


Add to pipeline...

Create app


Connecting to github account





Heroku Git
Use Heroku CLI




GitHub
Connected



Container Registry
Use Heroku CLI

Connected to  [Inquisitive4Data/fastapidiabetesprediction](#) by  [Inquisitive4Data](#)

Disconnect...

 Releases in the [activity feed](#) link to GitHub to view commit diffs

Deploying manually


Manual deploy

Deploy the current state of a branch to this app.

Deploy a GitHub branch

This will deploy the current state of the branch you specify below. [Learn more](#).

Choose a branch to deploy

 main

Deploy Branch

Receive code from GitHub

Build main 202e0eb3

```
Created wheel for httptools: filename=httptools-0.1.1-cp39-cp39-linux_x86_64.whl size=282912
sha256=3776a50b2751b1027cfddf1835775c37860e0d6c8665274b844160e269594c9
Stored in directory: /tmp/pip-ephem-wheel-cache-
cmmqik4j/wheels/bf/91/65/284ee85517ebc733119a30257c9c535f795034065a3911b3f
Successfully built httptools
Installing collected packages: numpy, scipy, joblib, threadpoolctl, scikit-learn, six, python-dateutil, kiwisolver,
cycler, pyparsing, pillow, matplotlib, pytz, pandas, starlette, typing-extensions, pydantic, fastapi, h11, click, uvicorn,
gunicorn, uvloop, httptools
```

☒ Autoscroll with output [View build log](#)


Manual deploy

Deploy the current state of a branch to this app.

Deploy a GitHub branch

This will deploy the current state of the branch you specify below. [Learn more](#).

Choose a branch to deploy

 main

Deploy Branch


Receive code from GitHub

Build main 202e0eb3

Release phase

Deploy to Heroku

Your app was successfully deployed.

 View

Running app

The screenshot shows the Swagger UI for the FastAPI application. The browser address bar displays `api-predict-diabetes.herokuapp.com/docs`. The page title is "FastAPI 0.1.0 OAS3". Under the "default" section, there are two endpoints: a GET endpoint at `/` labeled "Index" and a POST endpoint at `/predict` labeled "Predict Diabetes". A "Schemas" section is also visible, listing "DiabetesData" and "HTTPValidationError".

Trying it out

This screenshot shows the "Trying it out" section for the `/predict` endpoint. The "Parameters" section is empty, indicating no query parameters. The "Request body" section is set to `application/json` and is marked as "required". A text area contains a JSON object with the following fields: `"Pregnancies": 3`, `"PlasmaGlucose": 110`, `"DiastolicBloodPressure": 90`, `"TriicepsThickness": 30`, `"SerumInsulin": 56`, `"BMI": 30`, `"DiabetesPedigree": 1.21`, and `"Age": 31`.

Got the Prediction

This screenshot shows the "Request" and "Response" sections. The "Request URL" is `https://api-predict-diabetes.herokuapp.com/predict`. The "Server response" section shows a status code of 200. The "Response body" is a JSON object: `{ "prediction": "Not a Diabetic" }`. An orange arrow points from the "Got the Prediction" header to the "prediction" field in the response body. The "Response headers" section lists: `connection: keep-alive`, `content-length: 31`, `content-type: application/json`, `date: Fri, 09 Apr 2021 19:04:30 GMT`, `server: uvicorn`, and `via: 1.1 vegur`.