Deployment on Flask

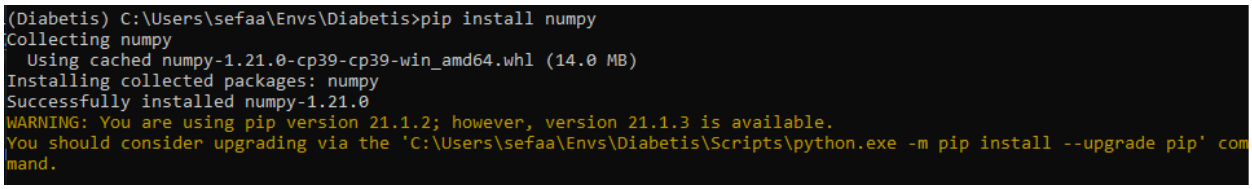
Name: Anticipating Diabetes With AI
Report date: 4-Jul-2021
Internship Batch: LISUM01
Report intake by: Yousef Elbayoumi
Report intake reviewer: Data Glacier team
Report location: https://github.com/yousefhosam-b/DataGlacier_Internship/tree/main/Task4

Tabular data details:

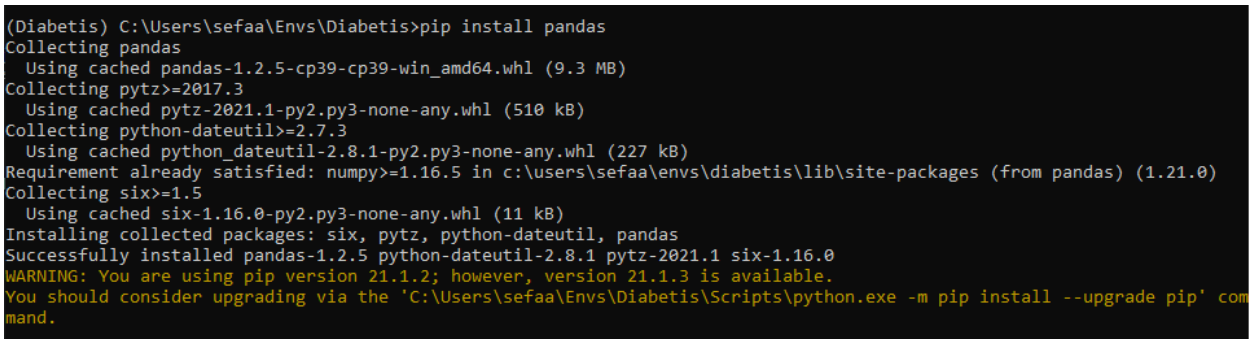
Total number of observations	768 rows
Total number of files	1 file
Total number of features	9 columns
Base format of the file	csv file
Size of the data	24 KB

Downloading the Required Libraries and Launching:

Downloading NumPy:



Downloading Pandas:



Downloading Flask:

Using “pip install virtualenv”, “pip install virtualenvwrapper-win”, “mkvirtualenv Diabetis”, and “setprojectdir .” commands.

Downloading Flask_cors:

```
(Diabetis) C:\Users\sefaa\Envs\Diabetis>pip install flask_cors
Collecting flask_cors
  Using cached Flask_Cors-3.0.10-py2.py3-none-any.whl (14 kB)
Collecting Flask>=0.9
  Using cached Flask-2.0.1-py3-none-any.whl (94 kB)
Requirement already satisfied: Six in c:\users\sefaa\envs\diabetis\lib\site-packages (from flask_cors) (1.16.0)
Collecting Werkzeug>=2.0
  Using cached Werkzeug-2.0.1-py3-none-any.whl (288 kB)
Collecting itsdangerous>=2.0
  Using cached itsdangerous-2.0.1-py3-none-any.whl (18 kB)
Collecting click>=7.1.2
  Using cached click-8.0.1-py3-none-any.whl (97 kB)
Collecting Jinja2>=3.0
  Using cached Jinja2-3.0.1-py3-none-any.whl (133 kB)
Collecting colorama
  Using cached colorama-0.4.4-py2.py3-none-any.whl (16 kB)
Collecting MarkupSafe>=2.0
  Using cached MarkupSafe-2.0.1-cp39-cp39-win_amd64.whl (14 kB)
Installing collected packages: MarkupSafe, colorama, Werkzeug, Jinja2, itsdangerous, click, Flask, flask-cors
Successfully installed Flask-2.0.1 Jinja2-3.0.1 MarkupSafe-2.0.1 Werkzeug-2.0.1 click-8.0.1 colorama-0.4.4 flask-cors-3.
0.10 itsdangerous-2.0.1
WARNING: You are using pip version 21.1.2; however, version 21.1.3 is available.
You should consider upgrading via the 'C:\Users\sefaa\Envs\Diabetis\Scripts\python.exe -m pip install --upgrade pip' com
mand.
```

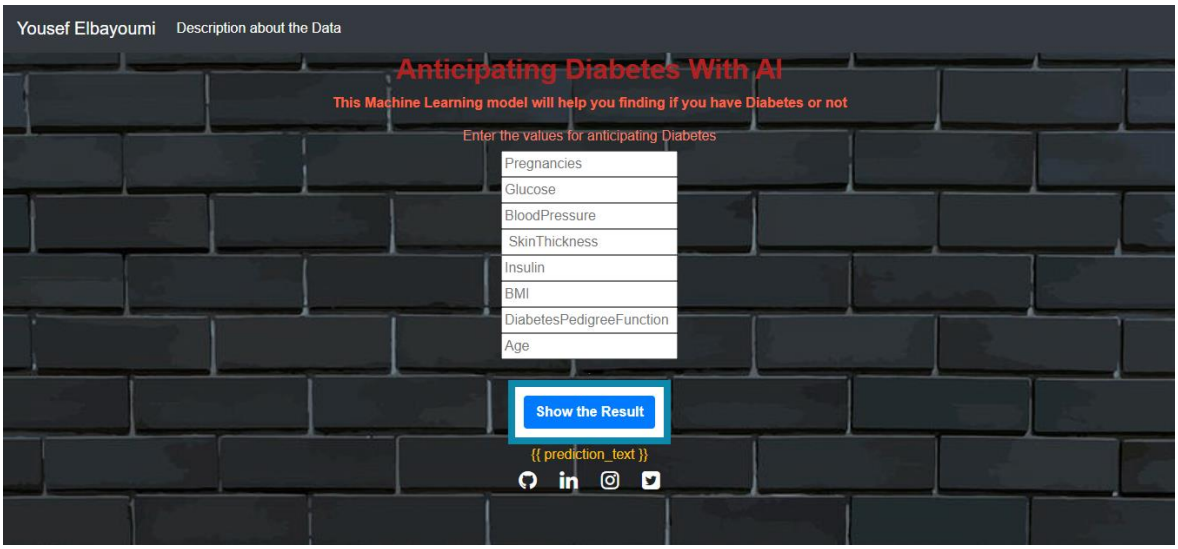
Launching the Code:

Using “workon” and “python” commands.

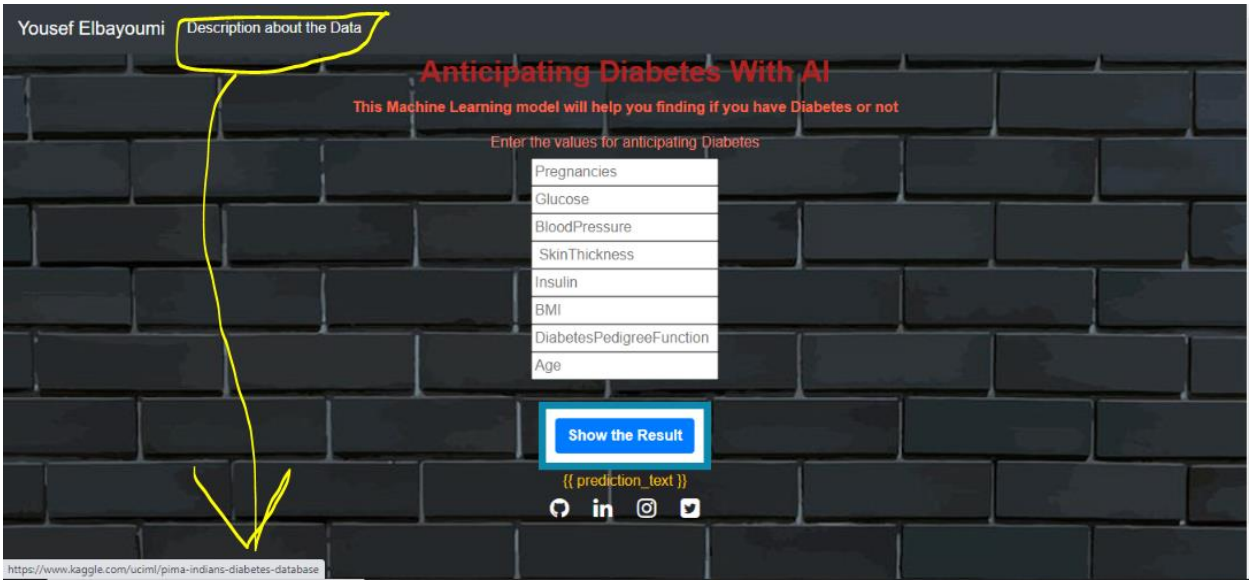
```
C:\Users\sefaa\Envs\Diabetis>workon Diabetis
(Diabetis) C:\Users\sefaa\Envs\Diabetis>python app.py
 * Serving Flask app 'app' (lazy loading)
 * Environment: production
   WARNING: This is a development server. Do not use it in a production deployment.
   Use a production WSGI server instead.
 * Debug mode: on
 * Restarting with stat
 * Debugger is active!
 * Debugger PIN: 867-929-096
 * Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
```

Deployment on Flask

Home Page:

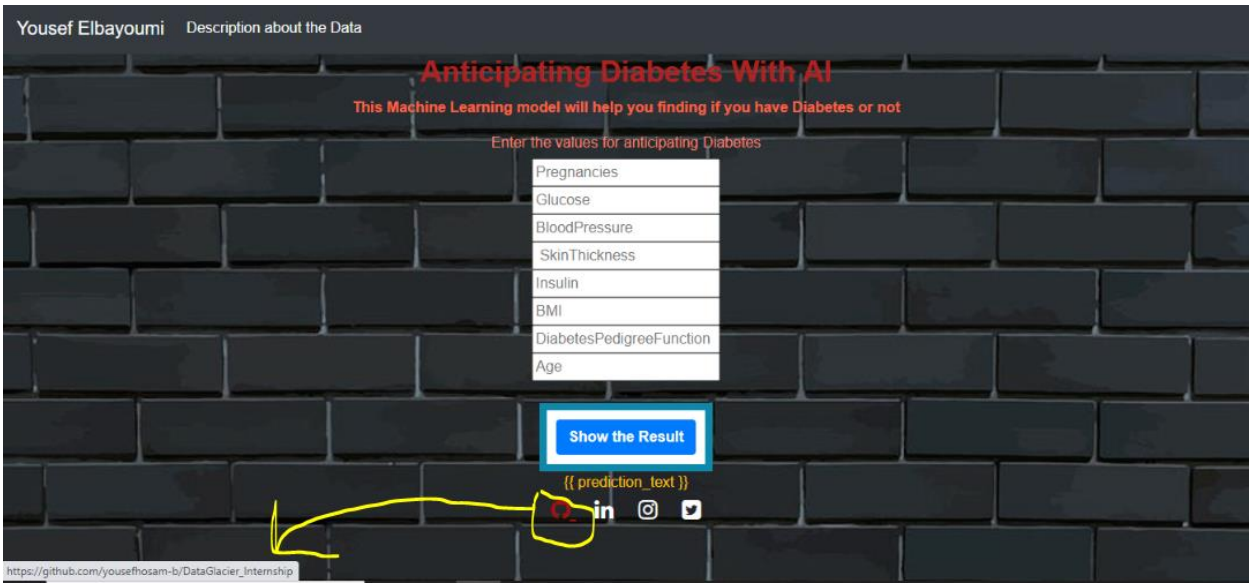


Home Page (Description about the Data):



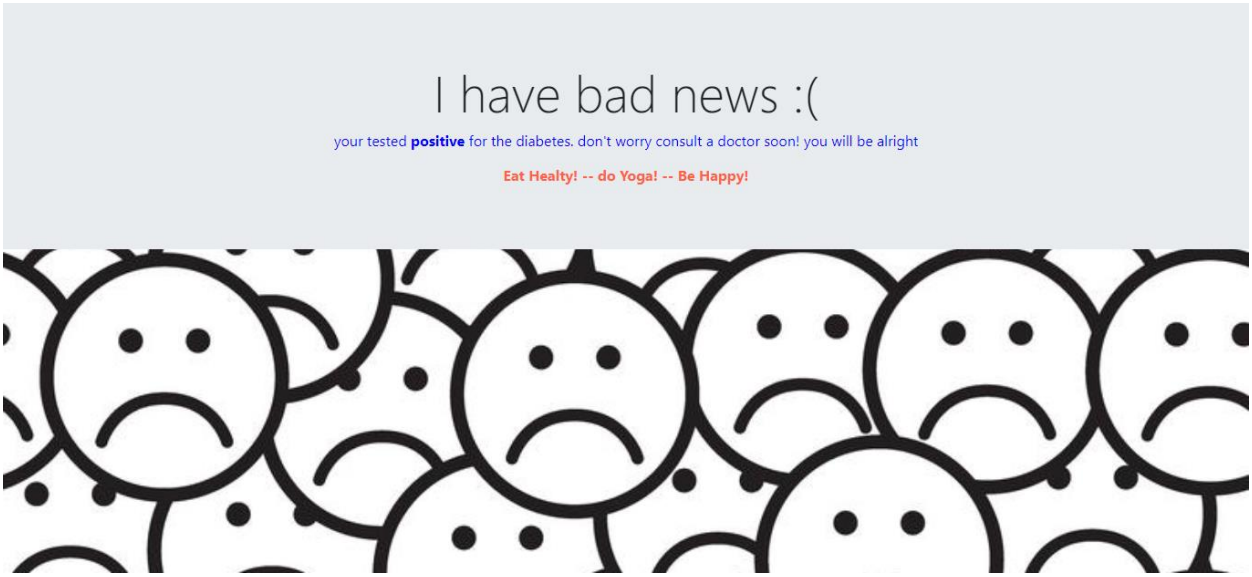
Home Page (Social media):

LinkedIn, Instagram, and Twitter are working as well.

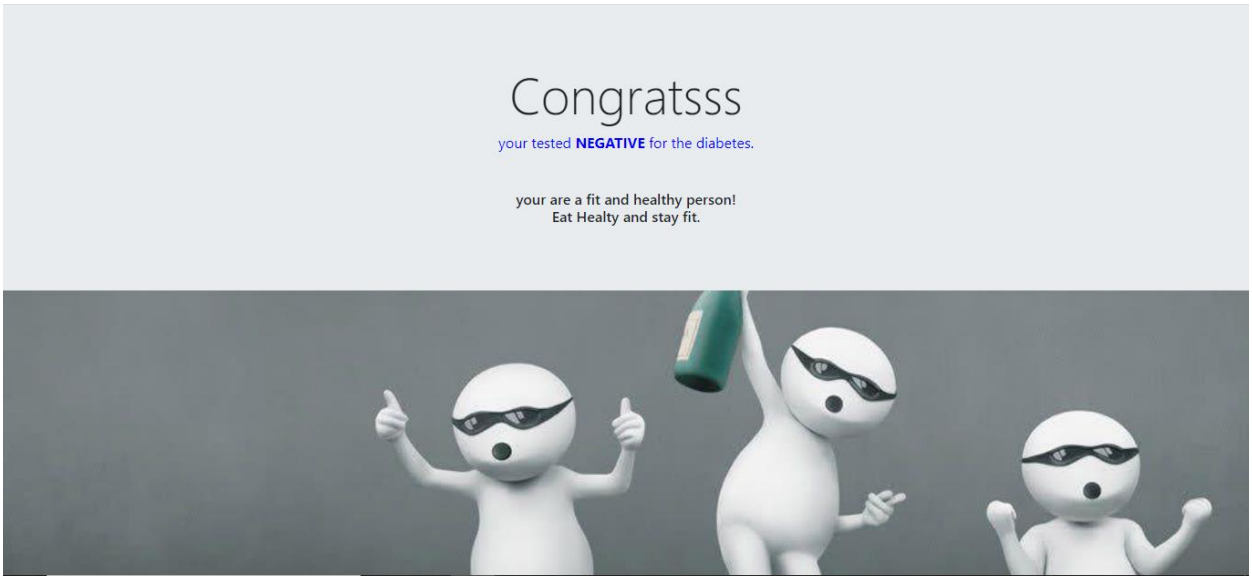


After entering the values of Pregnancies, Glucose, BloodPressure, SkinThickness, Insulin, BMI, DiabetesPedigreeFunction, and Age, a new page will be seen after clicking the “Show the Result” button.

Diabetes Page (Sick person):



Normal Page (healthy person):



Exiting the App

Using “CTRL + C” and “deactivate” commands.

```
 * Restarting with stat
 * Debugger is active!
 * Debugger PIN: 867-929-096
 * Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
127.0.0.1 - - [04/Jul/2021 13:44:04] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [04/Jul/2021 13:44:05] "GET /favicon.ico HTTP/1.1" 404 -

(Diabetis) C:\Users\sefaa\Envs\Diabetis>deactivate

C:\Users\sefaa\Envs\Diabetis>
```