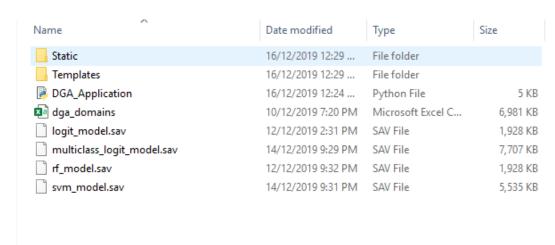
## Steps to run the DGA application:

1. Please find the DGA application folder with the following files present in it.



- a. The *Static* folder contains the *CSS* file of the web application.
- b. The Templates folder contains 2 HTML files including home.html and subclass.html
- c. The *DGA\_Application.py* is the main executable application file.
- d. The dga domains.csv is the original data file.
- e. Rest .sav files are the trained machine learning models. Models used in the application are logit\_model.sav and multiclass\_logit\_model.sav
- 2. Open the Anaconda Command Prompt. Change the base directory to the folder in which your application file is present.



3. Run the DGA\_Application.py file. Follow the syntax in the snapshot below.

```
(base) F:\Siddhant>cd DGA_Application

(base) F:\Siddhant\DGA_Application>python DGA_Application.py

* Serving Flask app "DGA_Application" (lazy loading)

* Environment: production

WARNING: Do not use the development server in a production environment.

Use a production WSGI server instead.

* Debug mode: on

* Restarting with stat

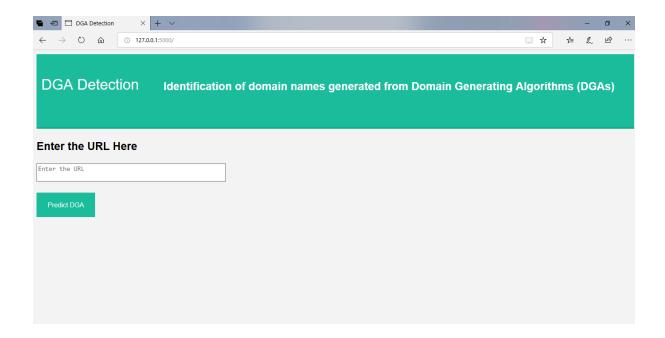
* Debugger is active!

* Debugger PIN: 214-086-811

* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
```

4. To open this web application in the browser, copy the address highlighted in the snapshot below and paste it in the address bar of a browser.

5. This will open the following web page. Use this simple intuitive web application to predict the domain names generated from a DGA.



6. The following screenshots are just for reference.

