STEPS for flask App deployment.

* Get the flask project from <https://github.com/CBIIT/nci-doe-data-sharing/tree/v1.8/flaskProject>
* Add the service account passwords in infer.py and app.py
* Install anaconda for environment management
* From the terminal, create an environment using the following command

*conda create --name <env-name> python=3.6*

* Activate the environment using the following

*conda activate <env-name>*

* Make sure the requirements.txt exists in the current directory before running the following command:

*pip install -r requirements.txt*

* Run the flask app using

*python app.py*

then the following message appears

\* Tip: There are .env or .flaskenv files present. Do "pip install python-dotenv" to use them.

\* Serving Flask app "application" (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: off

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

* To access the flask webservice from the browser

<http://127.0.0.1:5000/modac-routing?resultFileName=y_pred.csv>

* If the browser returns “OK” the y\_pred.cv is downloaded to mount location and the file can be seen in the current directory also.
* Currently, the model which is being used is mt\_cnn\_model.h5 and the testdataset is text\_X.npy which can be found in the GitHub flask Project. So, it’s using these constant files. In real time, the actual URL will be

<http://127.0.0.1:5000/modac-routing?resultFileName=y_pred.csv&&dataFileName=test_X.npy&&modelName=mt_cnn_model.h5>