

Name: Amna Naeem






Batch Code: LISUM02

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Deployment of Model to HEROKU

In order to deploy the model to cloud environment HEROKU the following steps are taken into account.

1. Set up the Account on cloud environment HEROKU
2. For deployment the folder is constructed as:

	models	1/20/2021 3:49 AM	File folder	
	templates	1/20/2021 3:49 AM	File folder	
	app.py	1/20/2021 3:49 AM	PY File	3 KB
	Procfile	1/20/2021 3:49 AM	File	1 KB
	requirements	1/20/2021 3:49 AM	Text Document	1 KB

The file requirement is added as follows:

```
(base) C:\Users\Laptop>cd flask deploy  
(base) C:\Users\Laptop\flask deploy>pip freeze >requirements.txt
```

The package gunicorn is also installed:

```
(base) C:\Users\Laptop\flask deploy>pip install gunicorn  
Collecting gunicorn  
  Downloading gunicorn-20.1.0-py3-none-any.whl (79 kB)  
    |#####| 79 kB 310 kB/s  
Requirement already satisfied: setuptools>=3.0 in e:\python\lib\site-packages (from gunicorn) (45.2.0.post20200210)  
Installing collected packages: gunicorn  
Successfully installed gunicorn-20.1.0
```

3. The new repository name my_model_deploy is created in Github and all the files are uploaded in the repository.

AmnaNaaem / my_model_deplo Private

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main 1 branch 0 tags Go to file Add file Code

AmnaNaaem Add files via upload 887a86c 21 minutes ago 1 commit

Procfile	Add files via upload	21 minutes ago
X_test.json	Add files via upload	21 minutes ago
app.py	Add files via upload	21 minutes ago
index.html	Add files via upload	21 minutes ago
model.pkl	Add files via upload	21 minutes ago
requirements.txt	Add files via upload	21 minutes ago

- The new app is created in HEROKU name my_model and the option GitHub connected is selected from the given three options for deployment method.
- By passing the name of the repository the GitHub is successfully connected.

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 887a86c4 ✓

Release phase ✓

Deploy to Heroku ✓

Your app was successfully deployed.

Add this app to a pipeline

Create a new pipeline or choose an existing one and add this app to a stage in it.

Add this app to a stage in a pipeline to enable additional features



Pipelines let you connect multiple apps together and **promote code** between them. [Learn more.](#)



Pipelines connected to GitHub can enable **review apps**, and create apps for new pull requests. [Learn more.](#)

Choose a pipeline

Deployment method



Heroku Git
Use Heroku CLI



GitHub
Connected



Container Registry
Use Heroku CLI