

Model Deployment

Name: expense_prediction

Report date: 07/27/2022

Internship Batch: LISUM11: 30

Version: 1.0

Data intake by: Priyadarshani Kamble

Data intake reviewer: NA

Data storage location:

https://bitbucket.org/pk_projects/work/src/week4/Income_Expense_Data.csv

Tabular data details:

Total number of observations	14
Total number of files	1
Total number of features	3
Base format of the file	csv
Size of the data	1KB












Step 1 : Create requirements.txt

The requirements.txt file contain all the dependencies for the flask app. This can be created using below command:

```
pip freeze > requirements.txt
```

The folder contains below files.

;) > Users > priya > Expense_prediction >

<input type="checkbox"/> Name ^	Date modified	Type	Size
 .git	8/27/2022 5:53 PM	File folder	
 .ipynb_checkpoints	8/27/2022 4:05 PM	File folder	
 static	8/27/2022 3:49 PM	File folder	
 templates	8/27/2022 3:49 PM	File folder	
 app	8/27/2022 3:58 PM	PY File	1 KB
 expense_prediction	8/27/2022 3:58 PM	IPYNB File	51 KB
 expense_prediction	8/27/2022 3:58 PM	PKL File	1 KB
 Income_Expense_Data	8/27/2022 3:48 PM	Microsoft Excel Co...	1 KB
 README	8/27/2022 1:28 PM	Markdown Source ...	1 KB
 request	8/27/2022 3:48 PM	PY File	1 KB
 requirements	8/27/2022 5:51 PM	Text Document	1 KB

Deployment on Heroku

Step 1 :

I created an account since I did not have one at www.heroku.com.

Step 2:

Create a new app simply by choosing a name and clicking “create app”. This name doesn’t matter but it does have to be unique.

Create New App


App name

myfirstappexpenseprediction1

✓

myfirstappexpenseprediction1 is available

Choose a region

 United States

⇅

Add to pipeline...


Create app


Step 3: we have few options to deploy the app. Heroku CLI and GitHub. I used GitHub.


Deploying With Github

Connect your github account by clicking the github icon below:

Deployment method


 Heroku Git
Use Heroku CLI


 GitHub
Connect to GitHub


 Container Registry
Use Heroku CLI

Search for the correct repository and click connect:

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

 gitprojects pk

⇅

repo-name

Search

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

scroll to the bottom of the page and click “Deploy Branch”

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

master

Deploy Branch

I then received below message. My first few builds failed. I then checked the requirements.txt, updated the dependencies that are giving you problems as per the suggestions from the build logs and deployed again.

Personal > myfirstappexpenseprediction

GitHub gitprojectspk/Expense_prediction

Overview Resources Deploy Metrics Activity Access Settings

Installed add-ons \$0.00/month [Configure Add-ons](#)

There are no add-ons for this app
You can add add-ons to this app and they will show here. [Learn more](#)

Dyno formation \$0.00/month [Configure Dynos](#)

This app has no process types yet
Add a Profile to your app in order to define its process types. [Learn more](#)

Collaborator activity [Manage Access](#)

priya.kamble@gmail.com 1 deploy

Latest activity

priya.kamble@gmail.com: Deployed 30e565b2
Aug 27 at 5:55 PM · v3

priya.kamble@gmail.com: Build succeeded
Aug 27 at 5:54 PM · [View build log](#)

priya.kamble@gmail.com: Build failed
Aug 27 at 5:46 PM · [View build log](#)

priya.kamble@gmail.com: Build failed
Aug 27 at 5:37 PM · [View build log](#)

priya.kamble@gmail.com: Build failed
Aug 27 at 5:26 PM · [View build log](#)

priya.kamble@gmail.com: Build failed
Aug 27 at 5:19 PM · [View build log](#)

The app can then be viewed using “open app” option.