

Deploying a Model on Heroku

Name: Aletia Trepte

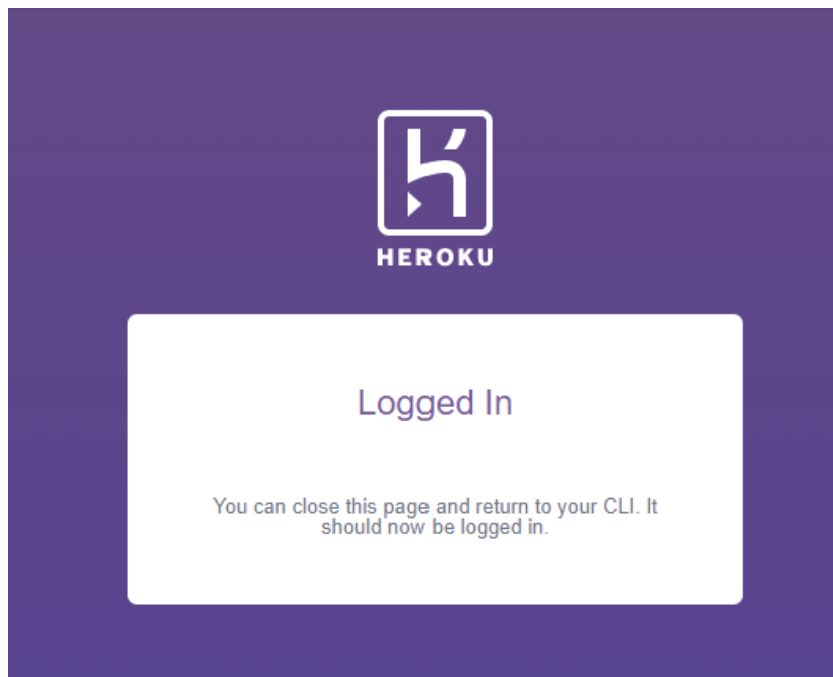
Batch: LISUM11: 30

Date: 07/28/2022

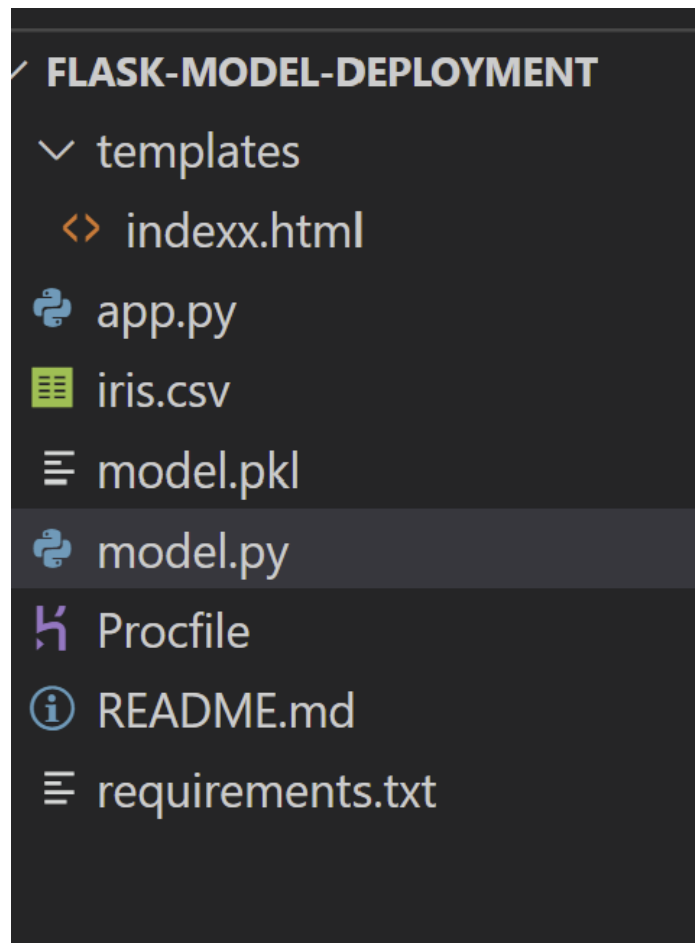
To: Glacier Data

- create heroku account
- create Procfile file: web: gunicorn app:app
- create requirements.txt
- install gunicorn
- update github repo
- deploy on heroku

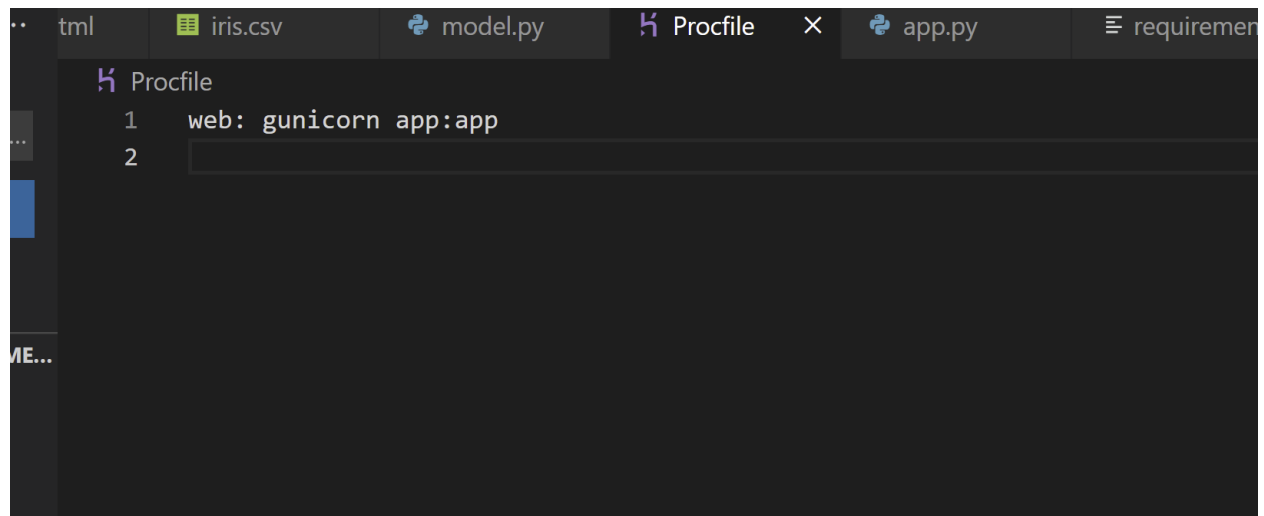
Create account



Files added



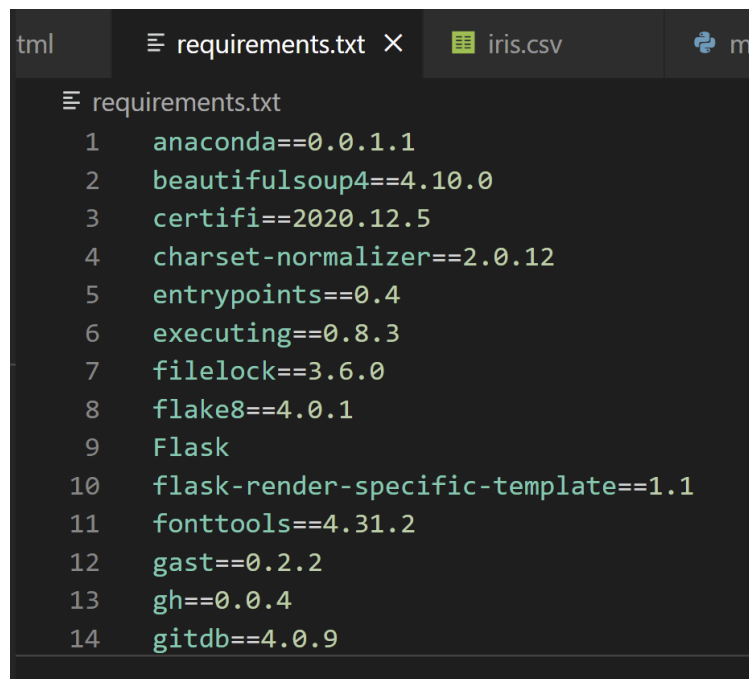
Procfile



The screenshot shows a code editor with several tabs: 'tml', 'iris.csv', 'model.py', 'Procfile', 'app.py', and 'requirements.txt'. The 'Procfile' tab is active, displaying the following content:

```
1 web: gunicorn app:app
2
```

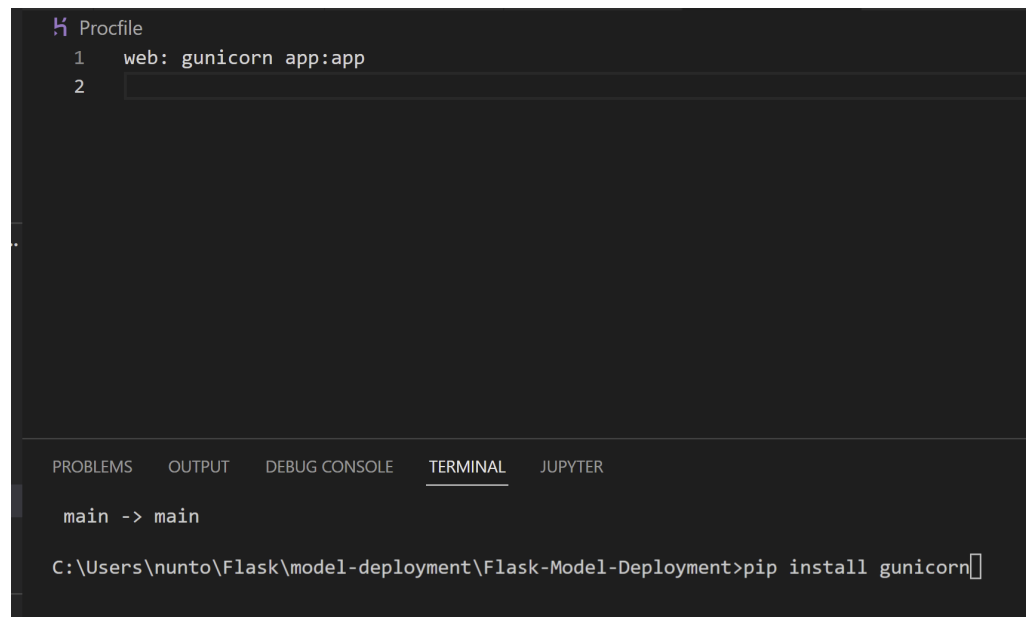
Requirements



The screenshot shows a code editor with tabs for 'tml', 'requirements.txt', 'iris.csv', and 'm'. The 'requirements.txt' tab is active, displaying a list of 14 dependencies:

```
1 anaconda==0.0.1.1
2 beautifulsoup4==4.10.0
3 certifi==2020.12.5
4 charset-normalizer==2.0.12
5 entrypoints==0.4
6 executing==0.8.3
7 filelock==3.6.0
8 flake8==4.0.1
9 Flask
10 flask-render-specific-template==1.1
11 fonttools==4.31.2
12 gast==0.2.2
13 gh==0.0.4
14 gitdb==4.0.9
```

Install gunicorn



The image shows a VS Code editor interface. The top part is a file editor showing a Procfile with two lines: '1 web: gunicorn app:app' and '2'. The bottom part is a terminal window with tabs for 'PROBLEMS', 'OUTPUT', 'DEBUG CONSOLE', 'TERMINAL', and 'JUPYTER'. The 'TERMINAL' tab is active, showing the command 'main -> main' and the command prompt 'C:\Users\nunto\Flask\model-deployment\Flask-Model-Deployment>pip install gunicorn' with a cursor at the end.

```
Procfile
1 web: gunicorn app:app
2

main -> main

C:\Users\nunto\Flask\model-deployment\Flask-Model-Deployment>pip install gunicorn
```

Update git repo

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  JUPYTER

commit 4d1f32257481d53f4c185396d1967ff2a66a3c14 (HEAD -> main, orig:
Author: parcheesime <aletia.trepte@gmail.com>
Date:   Sat Jul 30 20:40:55 2022 -0700

    update file

commit 9682bfc84734e15fb73ede4037f74680d93e603
Author: Aletia Trepte <aletia@zoho.com>
Date:   Sat Jul 30 20:21:06 2022 -0700

    update file



commit 22fc1adee3a5b5b174577312c984a8cd0d3a6cb2
Author: Aletia Trepte <aletia@zoho.com>
Date:   Sat Jul 30 20:14:49 2022 -0700

    update files

.
```

Deploying in Heroku








Search for a repository to connect to

 parcheesime 



repo-name

Search

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

 parcheesime/Vinegere-Cipher	Connect
 parcheesime/pymc	Connect
 parcheesime/DataGlacier-CabDataSets	Connect
 parcheesime/csd-project-pages	Connect
 parcheesime/webscraper-tutorial	Connect
 parcheesime/VC	Connect
 parcheesime/vinegerecipher	Connect

Connect to repo

Connected to  [parcheesime/Flask-Model-Deployment](#) by  [parcheesime](#)

Disconnect...

🔗 Releases in the [activity feed](#) link to GitHub to view commit diffs

Deploy main

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 4d1f3225

```
-----> Using buildpack: heroku/python
-----> Python app detected
-----> No Python version was specified. Using the same version as the last build: python-3.10.5
    To use a different version, see: https://devcenter.heroku.com/articles/python-runtimes
-----> No change in requirements detected, installing from cache
-----> Using cached install of python-3.10.5
-----> Installing pip 22.1.2, setuptools 60.10.0 and wheel 0.37.1
-----> Installing SQLite3
```

☒ Autoscroll with output

[View build log](#)

Release phase

Build main

Choose a branch to deploy

 main

Deploy Branch

Receive code from GitHub

Build main 1f7fb7f0

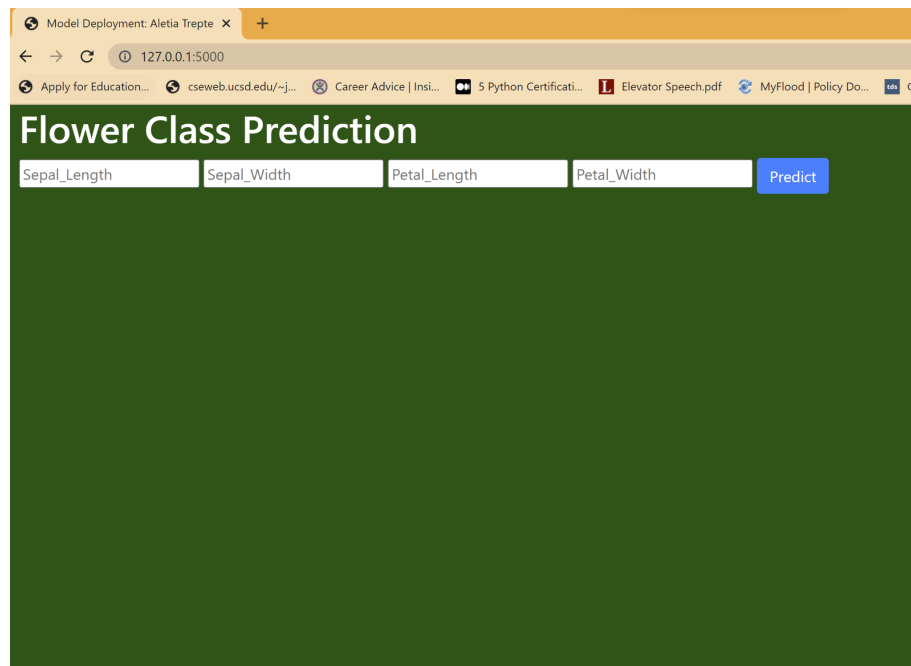
```
-----> Compressing...
    Done: 220.1M
-----> Launching...
    Released v3
    https://glacier-model.herokuapp.com/ deployed to Heroku
This app is using the Heroku-20 stack, however a newer stack is available.
To upgrade to Heroku-22, see:
https://devcenter.heroku.com/articles/upgrading-to-the-latest-stack
```

☒ Autoscroll with output

Release phase

Deploy to Heroku

Open in Heroku link browser



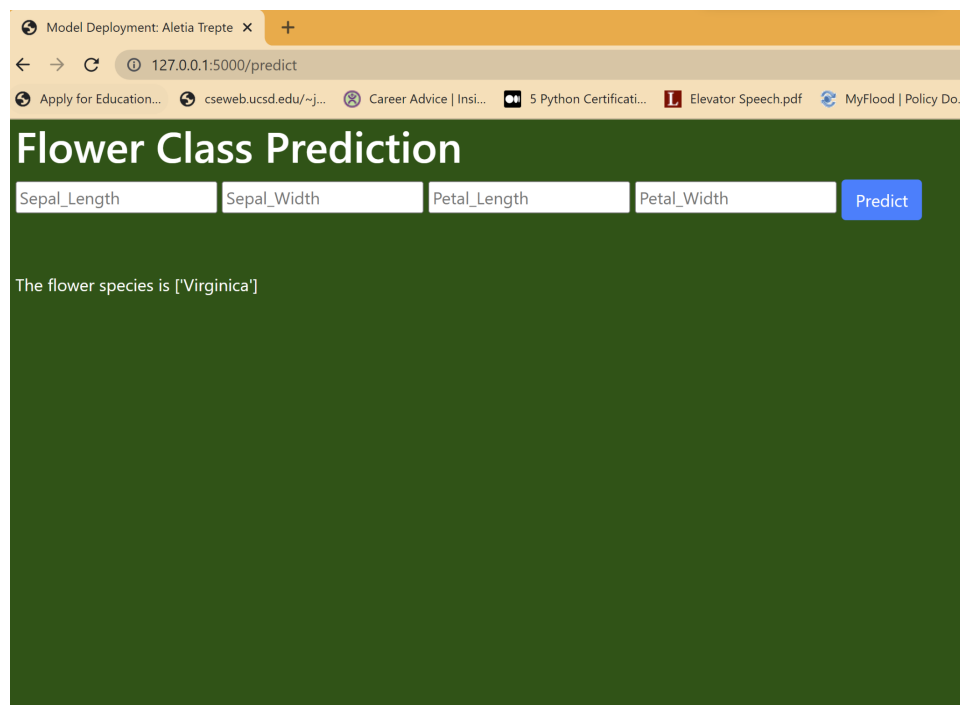
Model Deployment: Aletia Trepte

127.0.0.1:5000

Flower Class Prediction

Sepal_Length Sepal_Width Petal_Length Petal_Width Predict

Run app



Model Deployment: Aletia Trepte

127.0.0.1:5000/predict

Flower Class Prediction

Sepal_Length Sepal_Width Petal_Length Petal_Width Predict

The flower species is ['Virginica']