

Data Science Intern at Data Glacier

Week 5: Cloud and API Deploment

Name: Anuj Singh

Batch Code: LISUM19

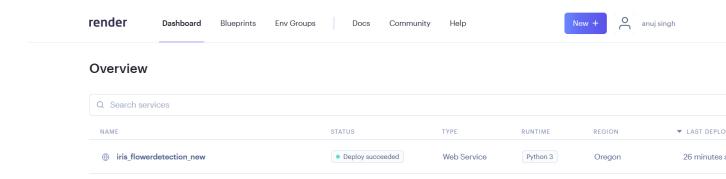
Date: 25th April 2023

Submitted to: Data Glacier

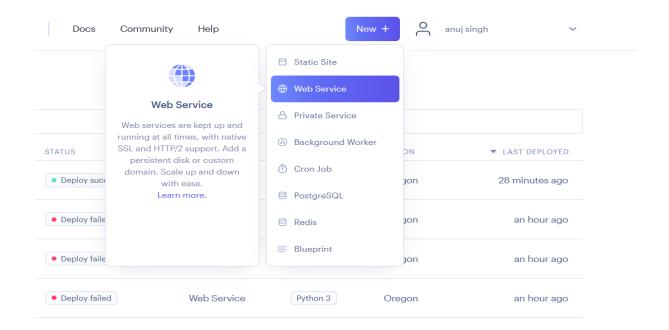
Submission link: week 5 files — singhanuj695/WEEK5 (github.com)

Cloud Deployment steps

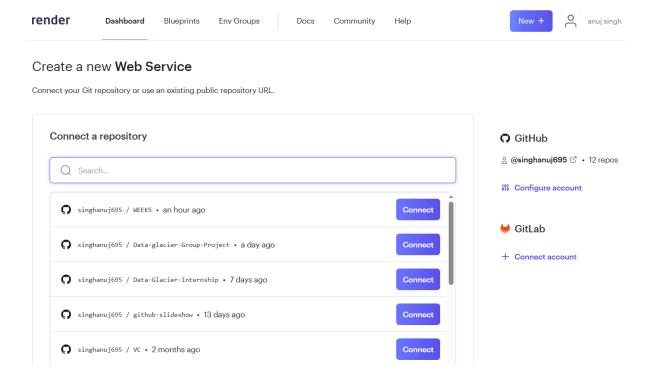
- 1. Since Heroku is not used, the open source cloud Render https://render.com/ is used for this assignment.
- 2. The steps from [1] are followed in order to deploy the ML application on cloud.
- 3. Create an account in render and click on New



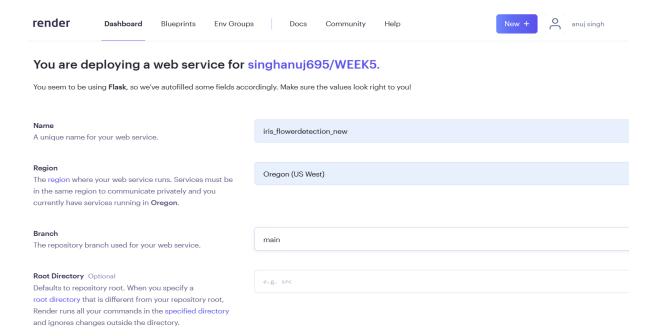
4. Click on Web Service



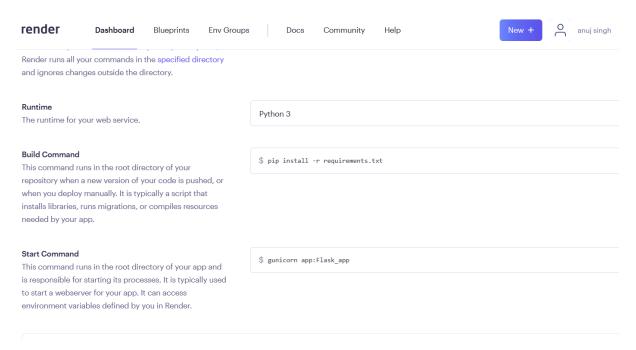
5. Connect to your Github account and select the repository to be deployed (singhanuj695/WEEK5 (github.com) already contains the ML application deployed using Flask submitted for Week 5)



6. Provide a name to the service

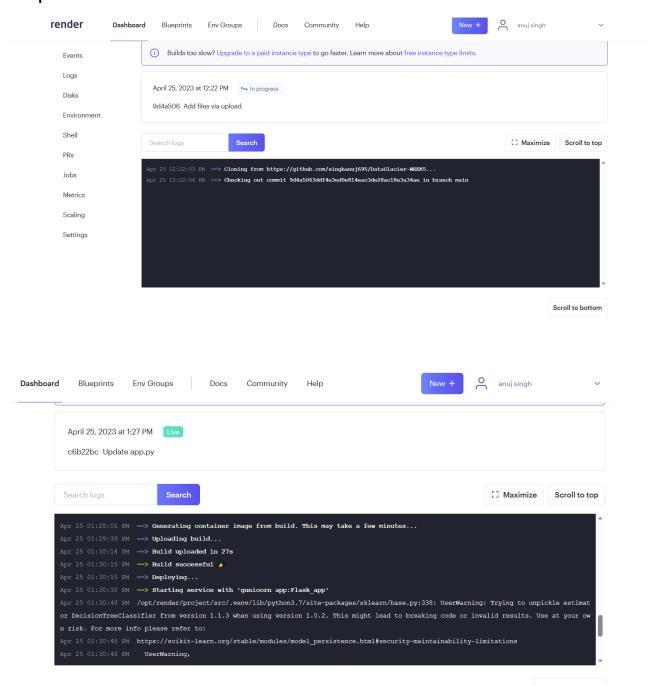


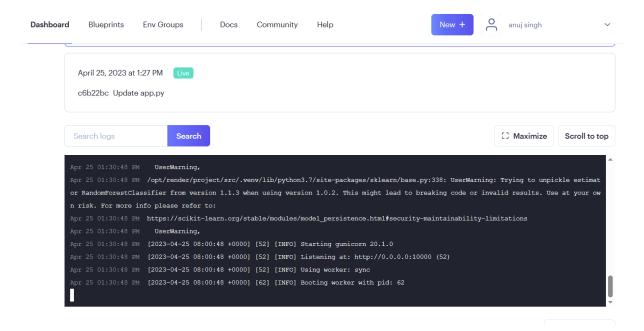
7. Enter gunicorn app:flask_app as the start command and click Create Web Service (flask_app is the name of my flask app in the file app.py)



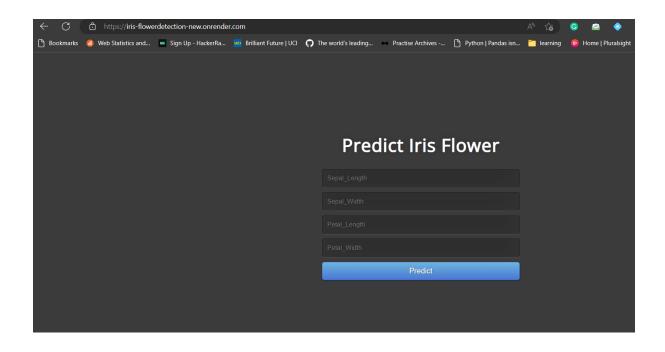
8. It will start running and you can see the progress in the terminal. While it's running it will show the status as "in

progress". It will first install all the packages given in requirements.txt

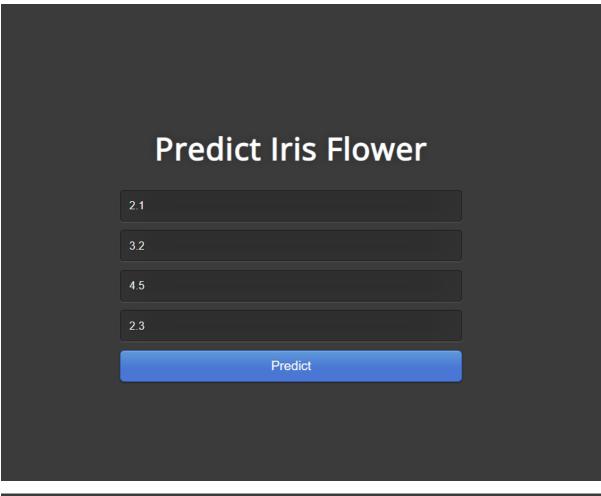


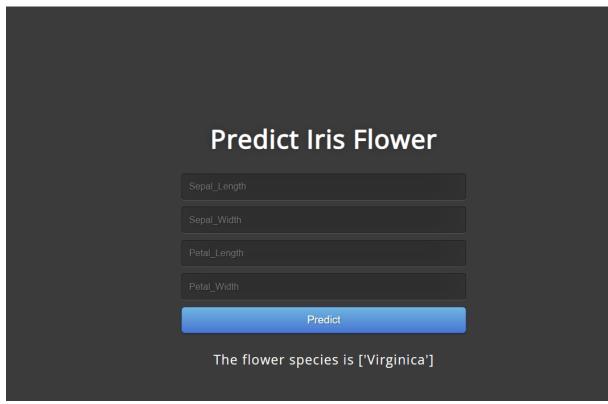


9. After a successful build, the service starts with the gunicorn app:flask_app command and the status changes from "in progress" to "live". To run the application in the browser, click on the url provided below the web service name (ML API (iris-flowerdetection-new.onrender.com))



10. Testing the ML application





References: [1] Heroku Alternative | Learn to deploy Python application on Render | Step by step deployment guide, Raj Kapadia, https://www.youtube.com/watch?v=OBGaCULCZz