Week 5 – Deployment on Cloud

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Batch code: LISUM16

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Submitted to: Data Glacier

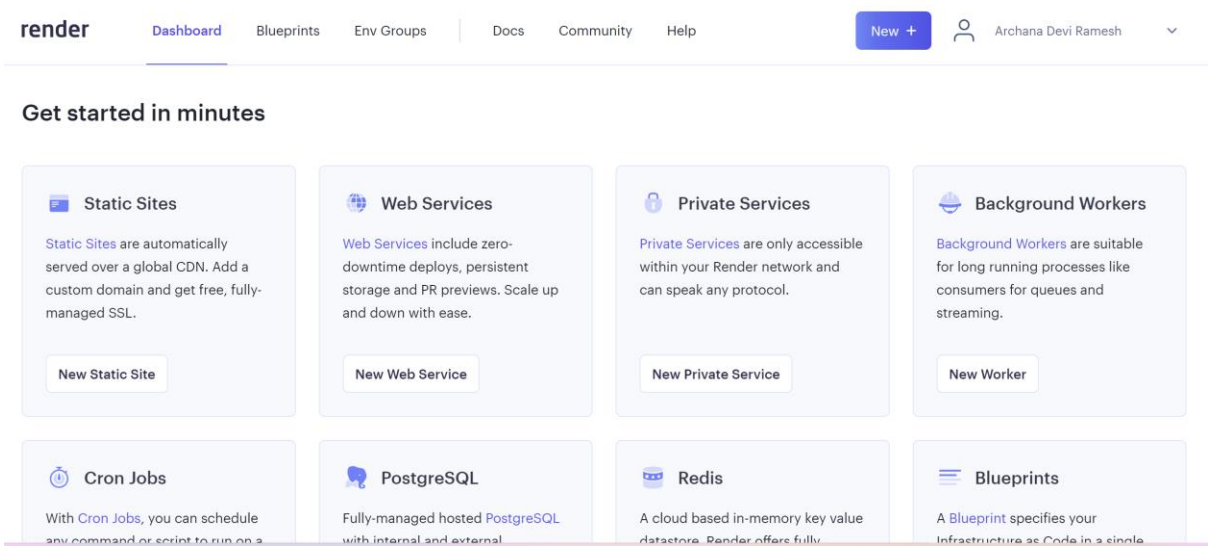
Submission Link: https://github.com/ArchanaDeviRamesh/Data-Glacier-Week5

Cloud Deployment steps

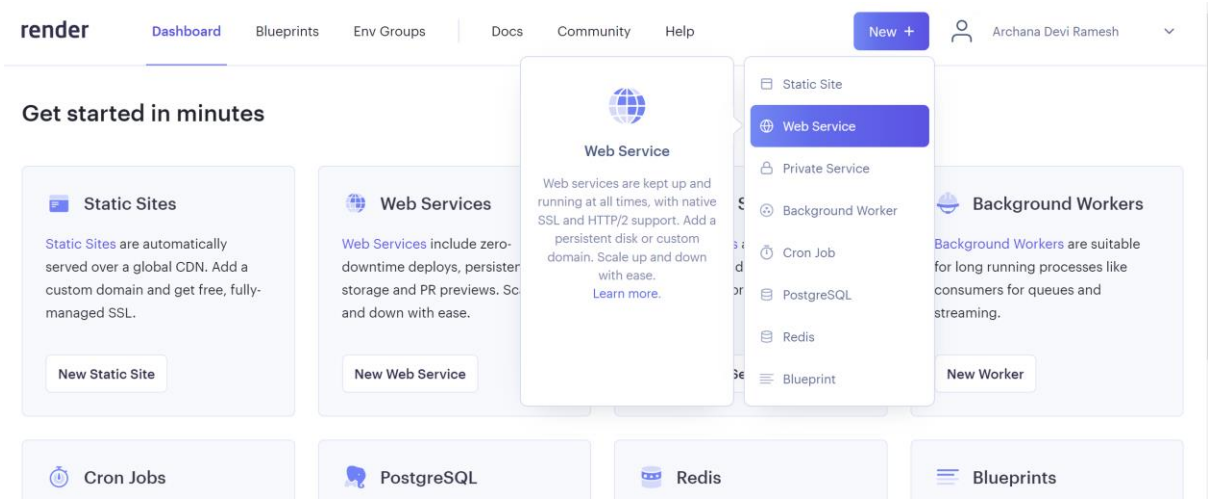
1. Since Heroku is not used, the open source cloud **Render** https://render.com/ is used for this assignment.

2. The steps from [1] are followed in order to deploy the ML application on cloud.

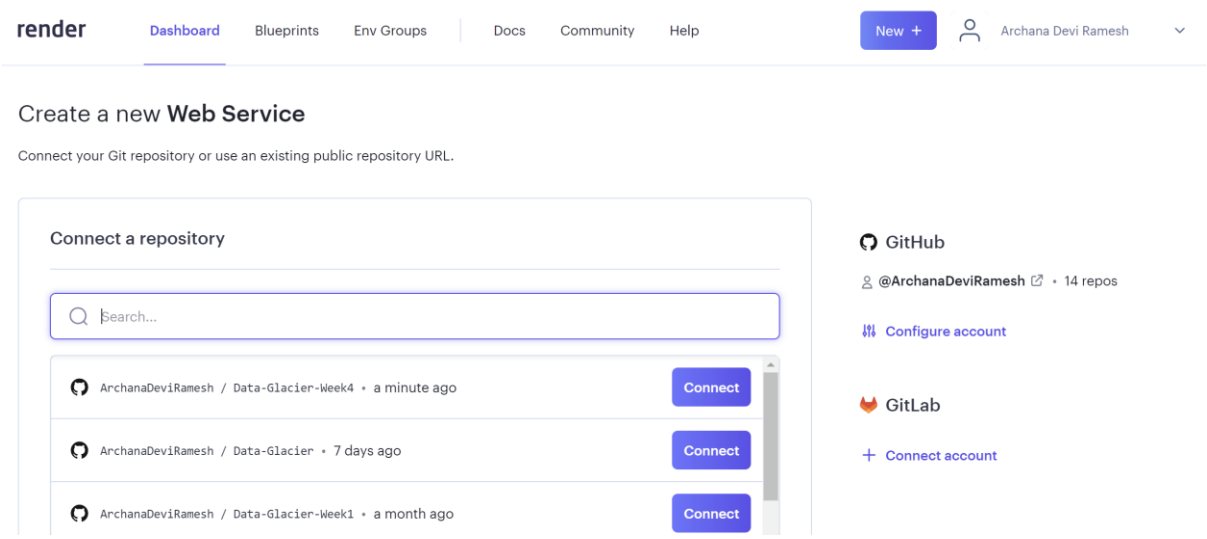
3. Create an account in render and click on **New**



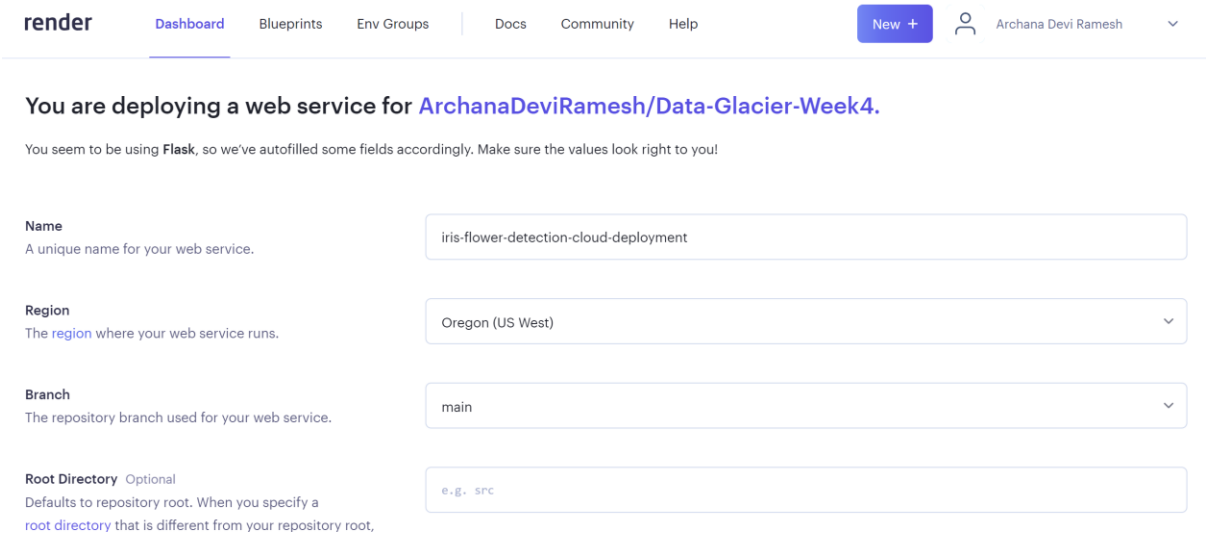
4. Click on **Web Service**



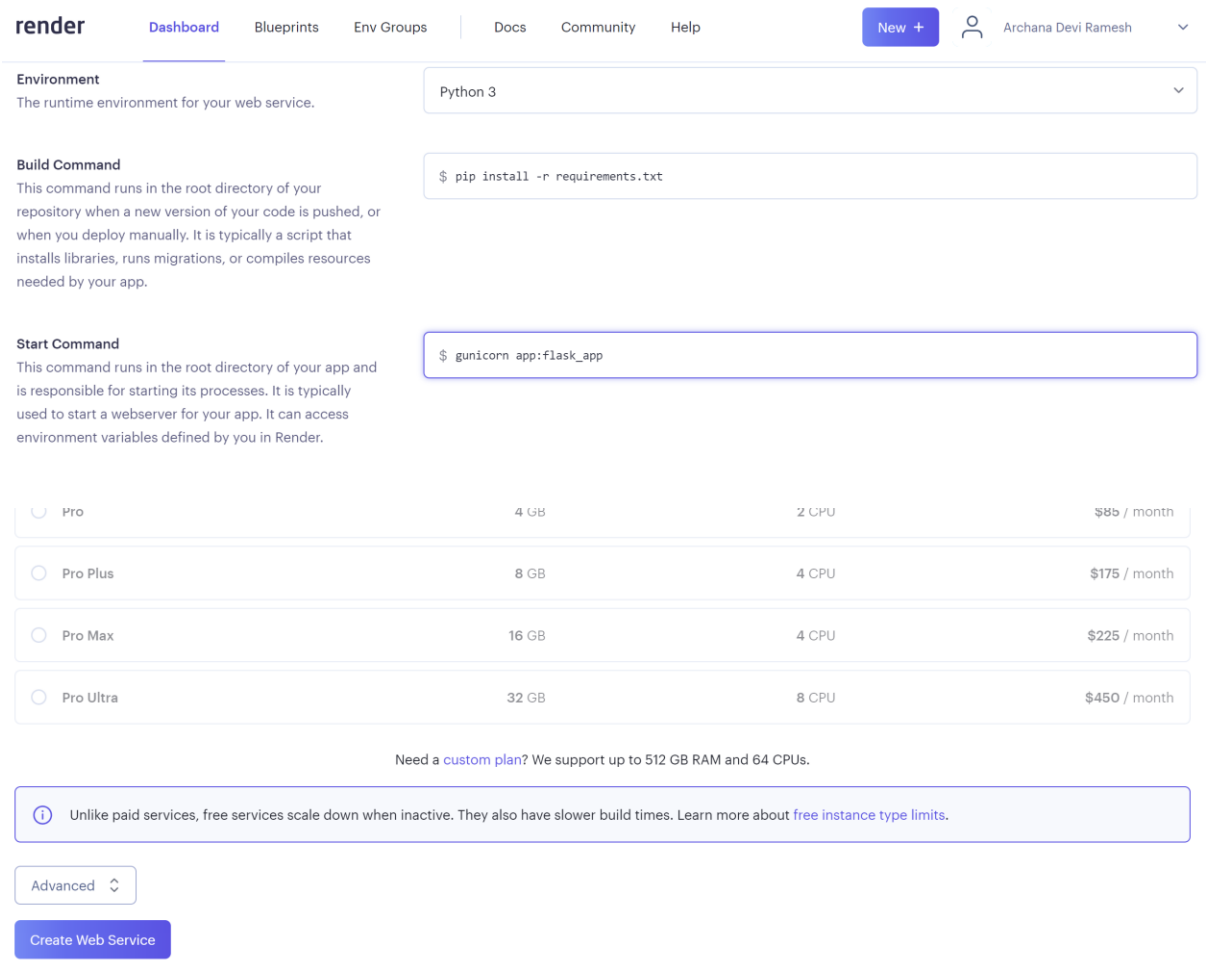
5. Connect to your Github account and select the repository to be deployed (https://github.com/ArchanaDeviRamesh/Data-Glacier-Week4 already contains the ML application deployed using Flask submitted for Week 4)



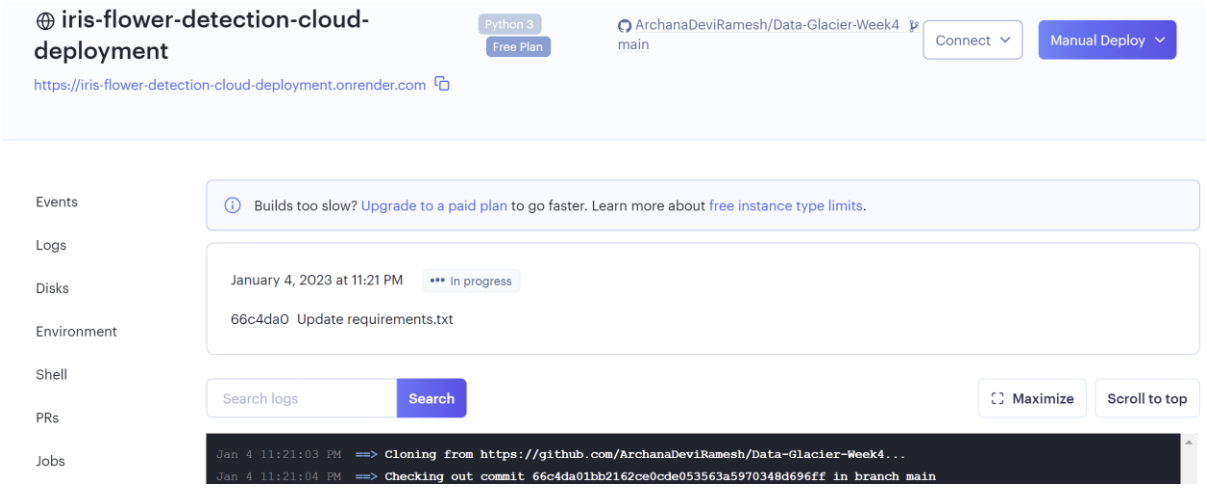
6. Provide a name to the service **(iris-flower-detection-cloud-deployment**)

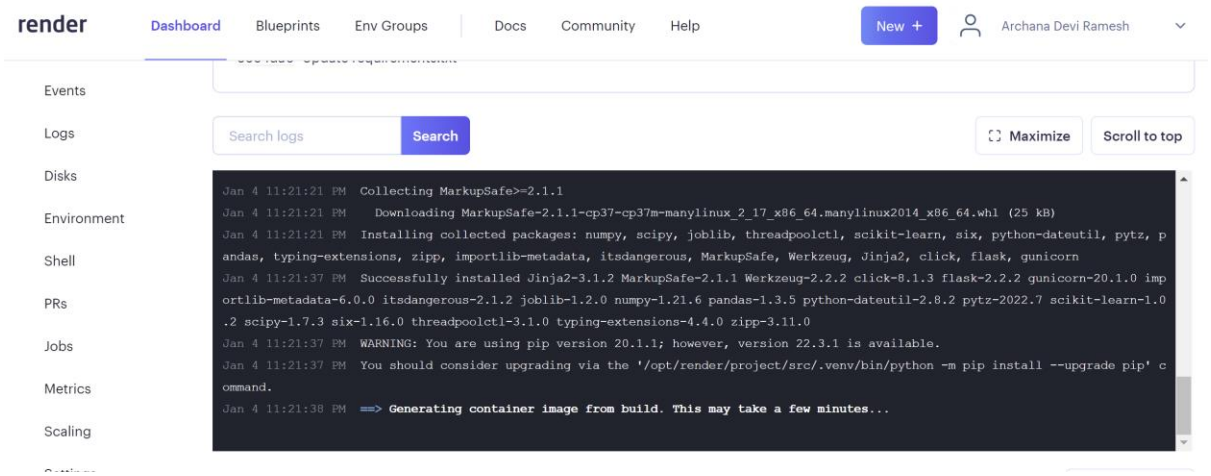


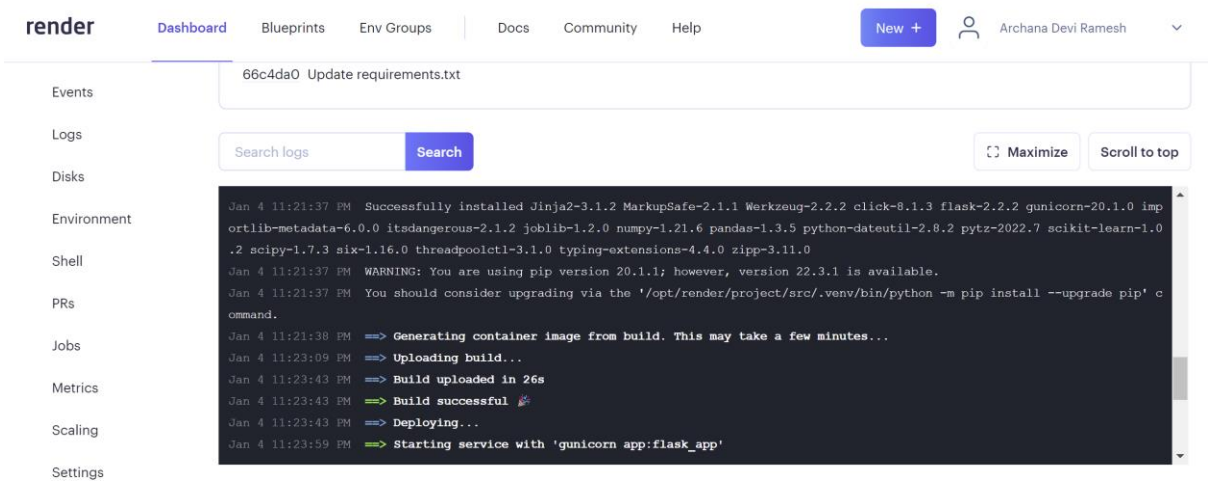
7. Enter **gunicorn app:flask_app** as the start command and click **Create Web Service**
(**flask_app** is the name of my flask app in the file **app.py**)



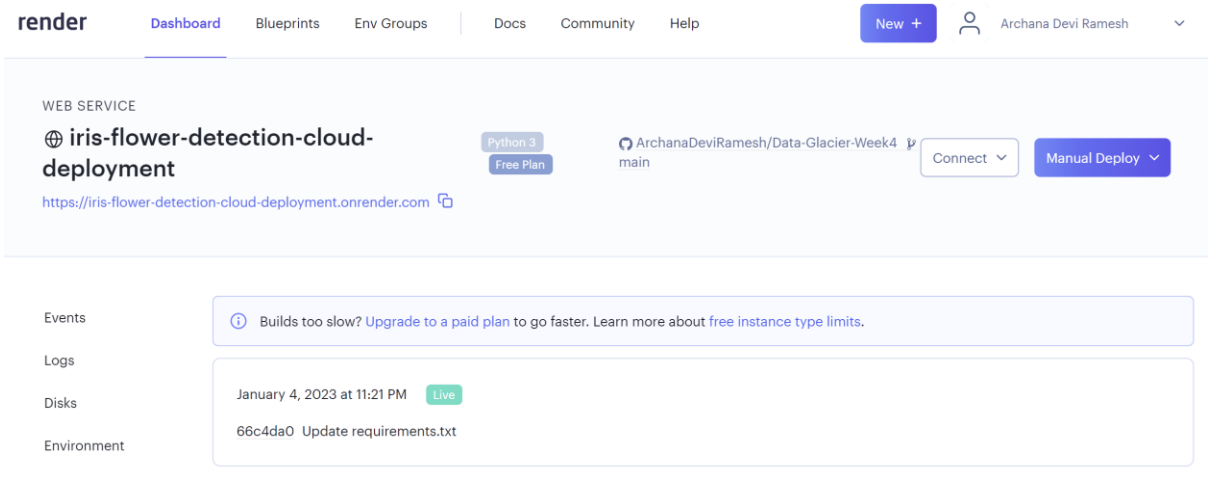
8. It will start running and you can see the progress in the terminal. While it's running it will show the status as **"in progress"**. It will first install all the packages given in **requirements.txt**



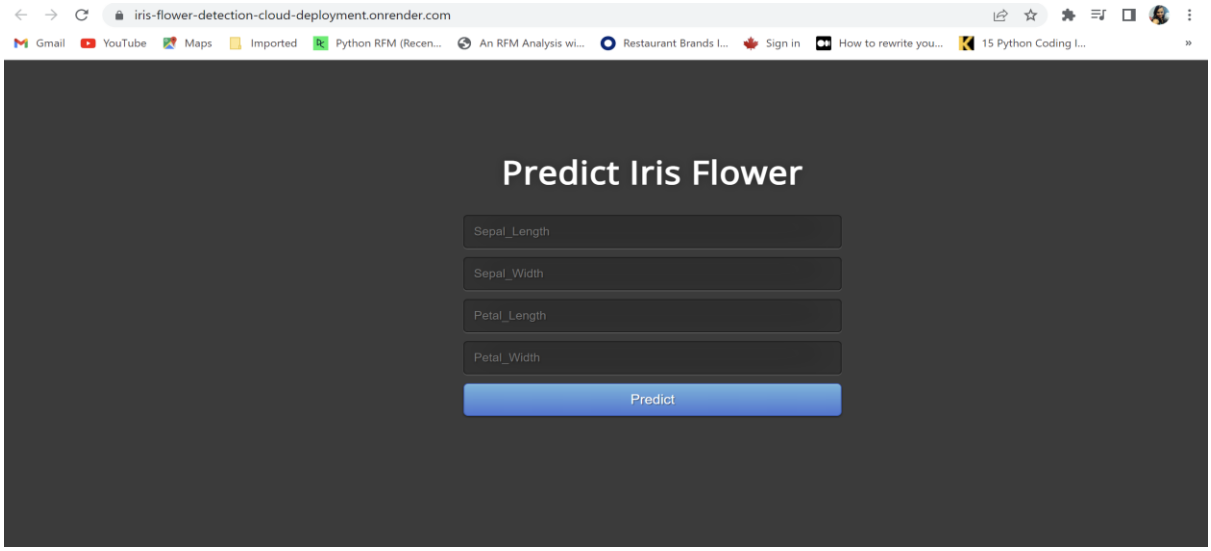




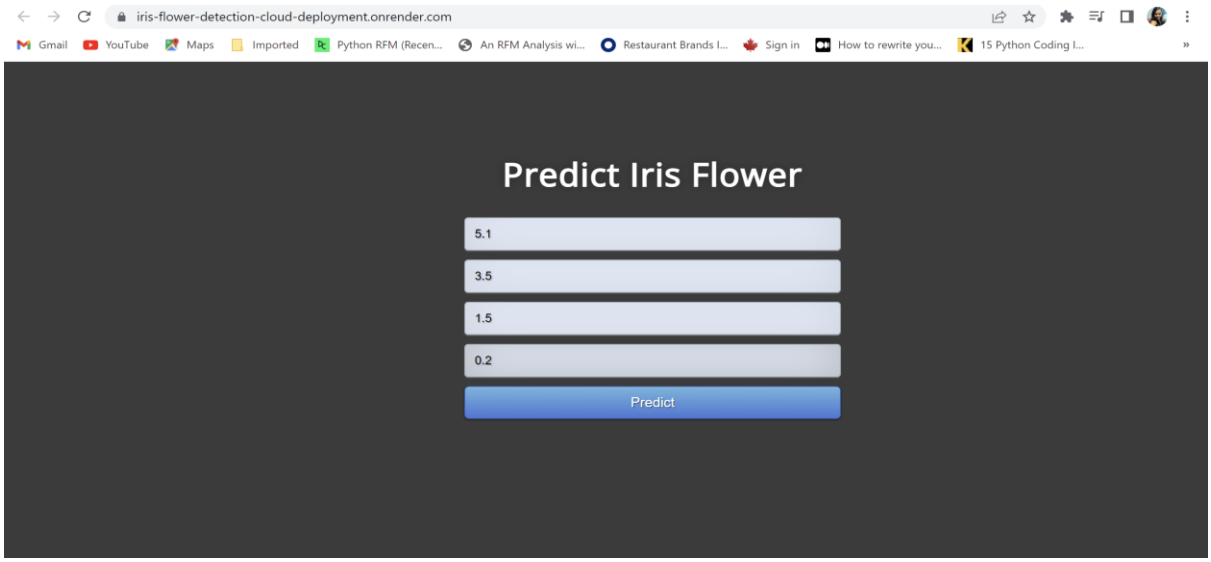
9. After a successful build, the service starts with the **gunicorn app:flask_app** command and the status changes from “in progress” to “**live**”. To run the application in the browser, click on the url provided below the web service name (https://iris-flower-detection-cloud-deployment.onrender.com)



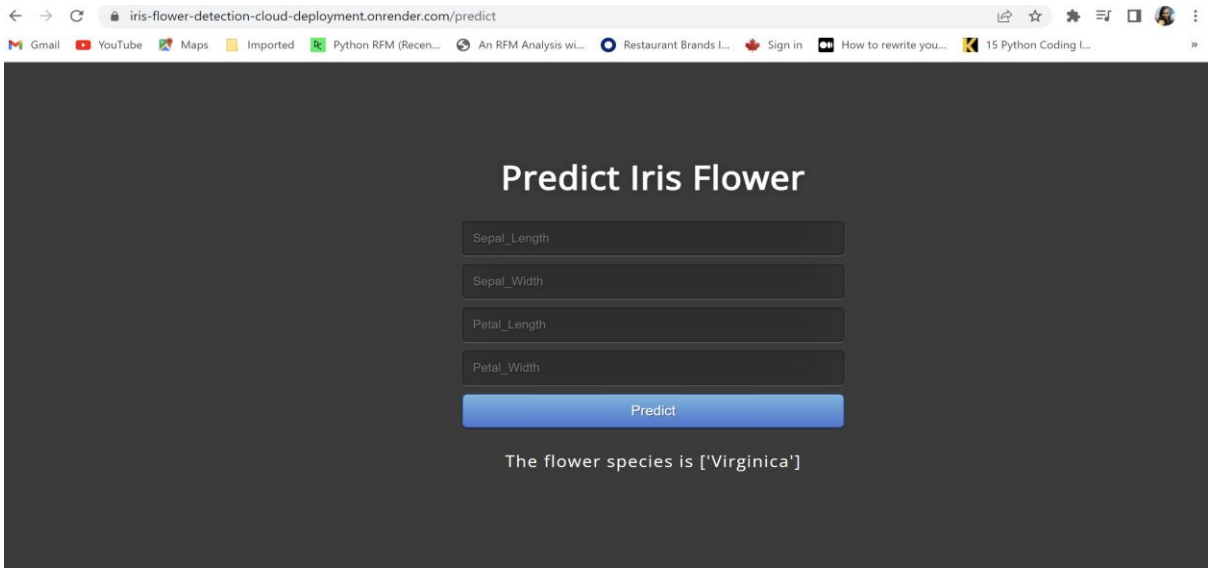
10.It will open the ML application on the web browser



11.Testing the ML application



12.The ML application successfully predicts the flower species



References:

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