Industry ready:

Creating repo in git

Copy repo to local

Open repo folder in vs code

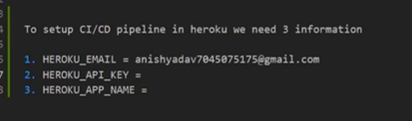
Create conda venv

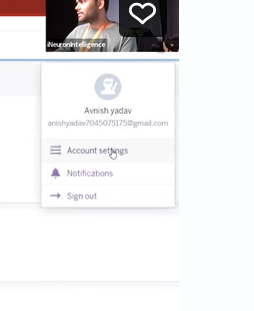
Activate env

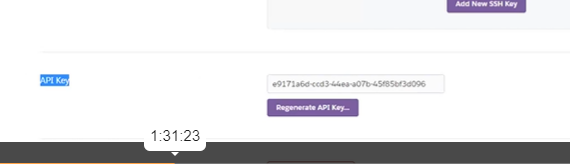
Create req.txt flask code

Docker file

Set-up heroku



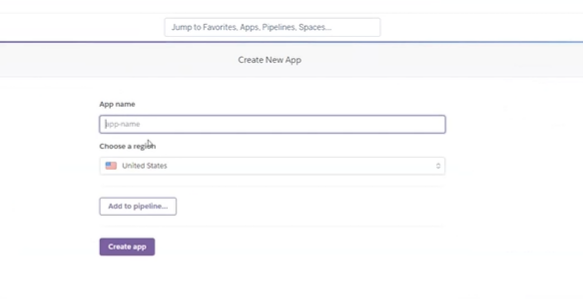


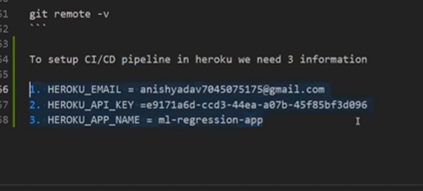


App name

We can create 5 apps

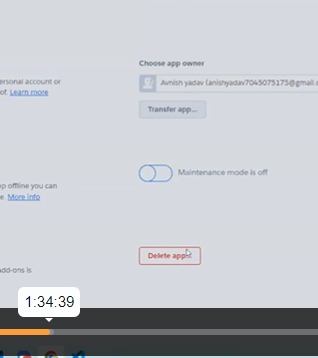
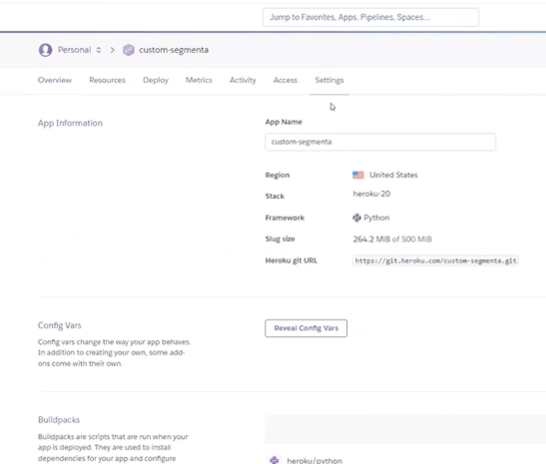
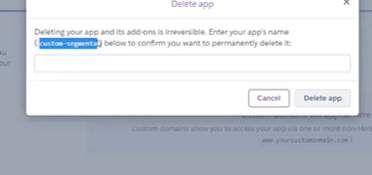
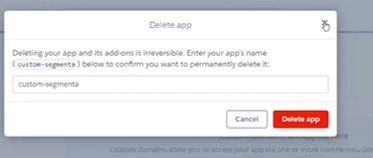
Create new app



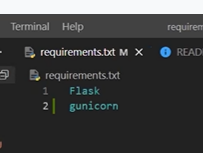


To delete app in Heroku

Go to appl

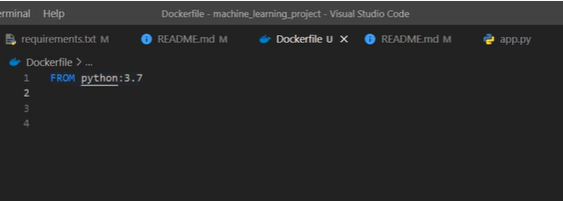
* Goto setting
* 
* 
* Copy above mesg
* Paste in below box
* 
* -------------------------------------------------------
* --------------------------------------------------------------------------------------------------------------------------------

To create a docker file



For creating docker image we need to create docker file

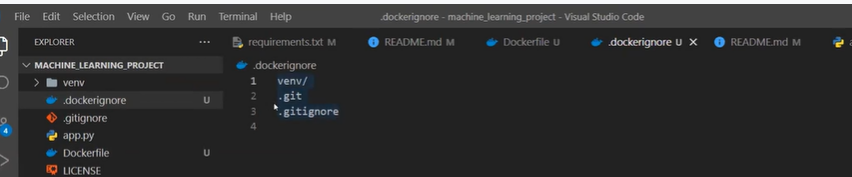
First we need tp have base image == where os--- python 3.8

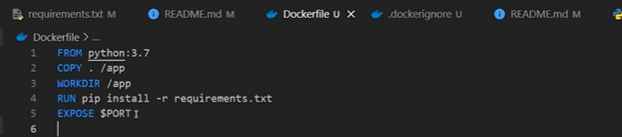


Next we need to mention entire folder

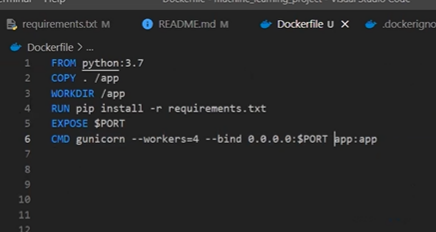
Except virtual environment file

That we should mention in doctor ignore file

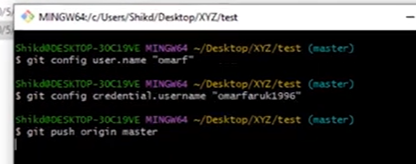




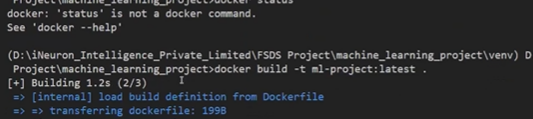
We need to mention command for gunicorn command to run flask app



Now building docker image :



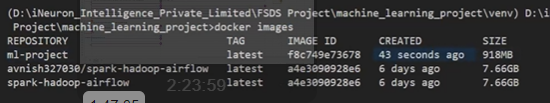


Building docker 

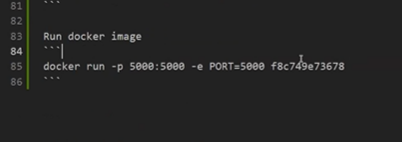


From python 3.7 image it will download one by one

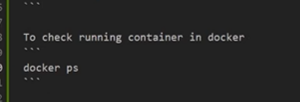
To list docker images



Run docker image



----- its image id



To stop docker container



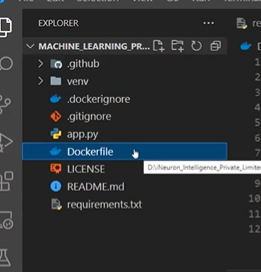
After creating code creating docker image

Update git

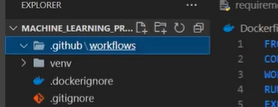
Git add .

Git commit

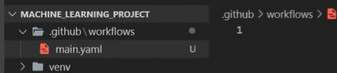
Git push



Within github we need to create one more folder– workflow



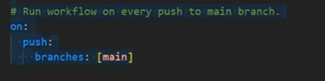
Within workflow one more file must be created



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Once our CI is done we need to create trigger

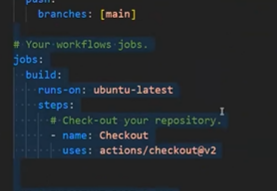
Trigger triggers the deployment process

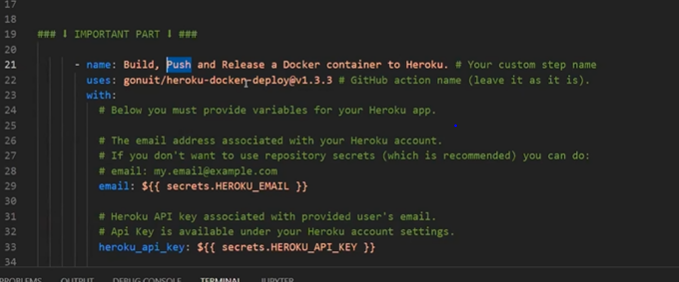


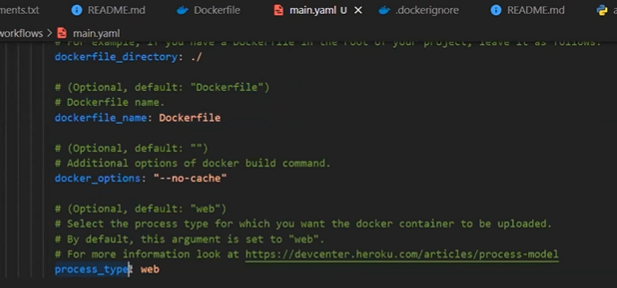
This is the trigger

Whenever we do some changes to main… it create trigger

What ever task we have mention in this file will happen



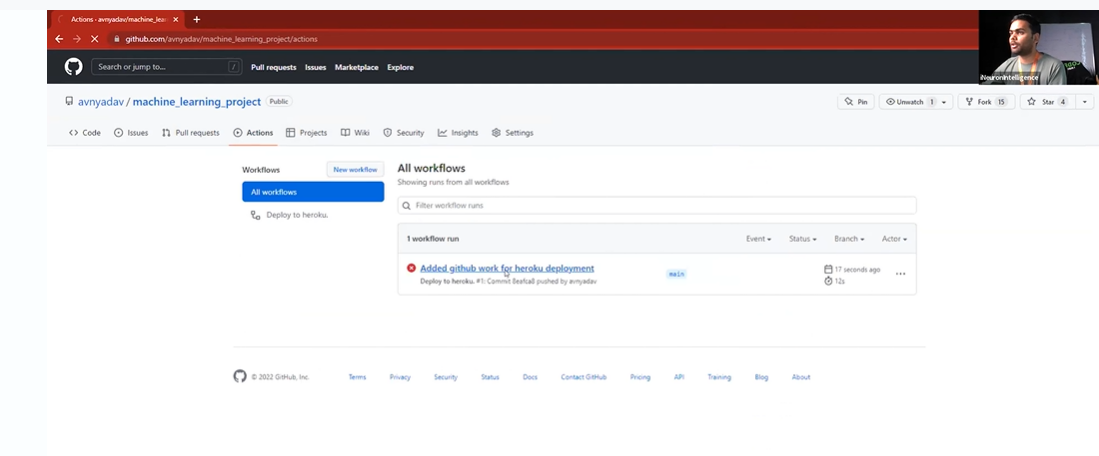




**Above trigger makes automation of creating image – called continuous deployment**

[GitHub - avnyadav/machine\_learning\_project: This is first machine learning project.](https://github.com/avnyadav/machine_learning_project)

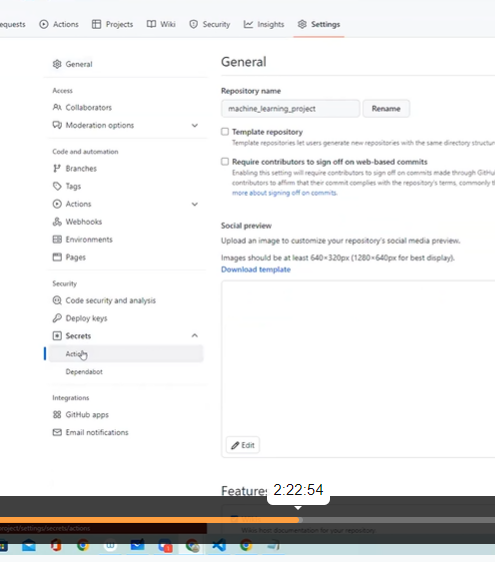
In actions in github- Heroku



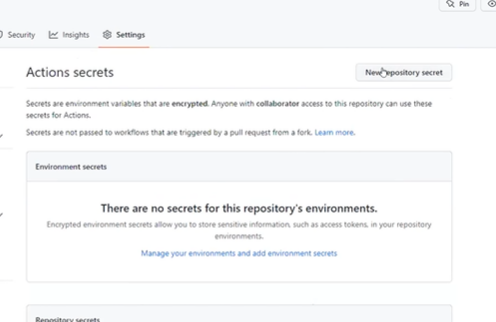
If u don’t provide secret key and credentials image

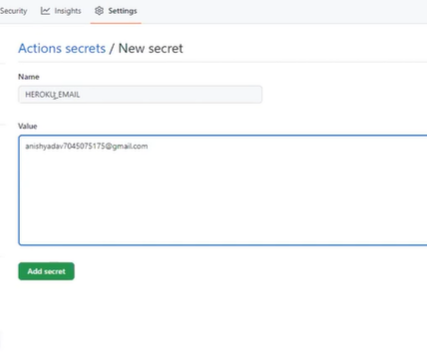
U must add

Open – repo-settings-secrets-actions

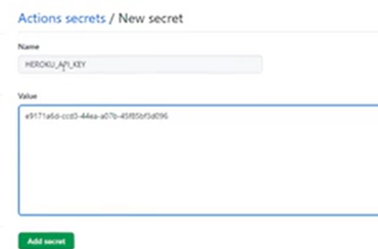


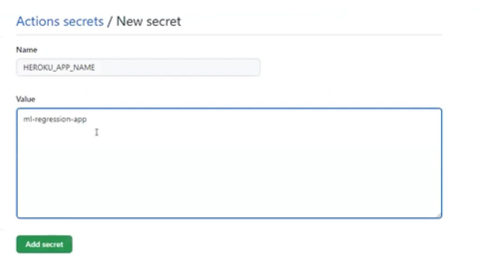
Click on new repo secrets



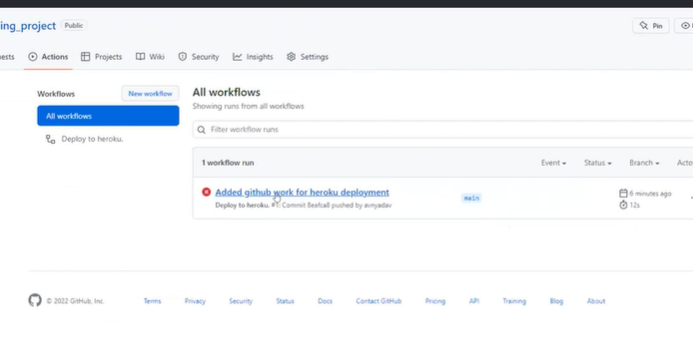


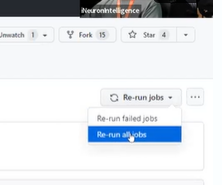
Again click on new repo secret





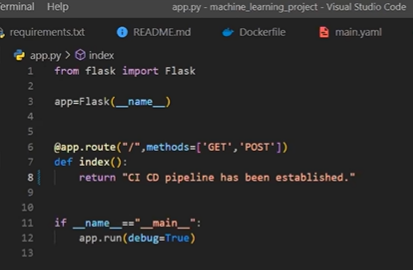
Now click again





Click on rerun all job

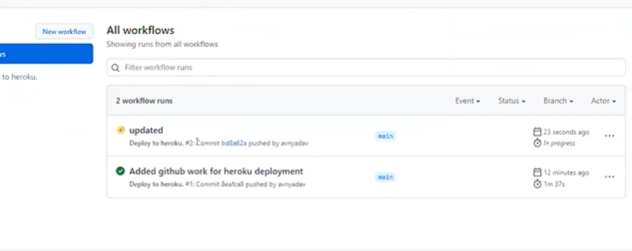
Now make modeification in app.py



Git add

Git commit

Git push



Whenever I push – new version created with new deployment

