



Deploying an App via GitHub and Streamlit Sharing

Step1: Set up your Github Account

- Use the link https://github.com/signup?user_email=&source=form-home-signup
- Use your greatlearning email account to sign up

Step2: Download the local Git Bash

- Use the link <https://git-scm.com/downloads>

Step3: Create public and private keys using Powershell

- Open powershell and type the following
ssh-keygen
Then press enter thrice
Your public and private key are now generated

Step4: Add public key to the Github Account

- Type the command in git bash to copy your public key
clip < ~/.ssh/id_rsa.pub
- Go to your github account> Profile > Setting > SSH and GPG keys> New SSH Key >(Ctrl+V) to paste the key> Add Key

Note: Step 5 & 6 will not be done by collaborators

Step5: Get the requirements.txt file in your local repo

- **pip install pipreqs**
- using anaconda prompt cd to one directory below where the App is kept and type the following command
- **pipreqs ExamPaperGenerator/**

Step6: Create a new Git Hub repo and make the first commit

- Create a new repo in your Github account by going to Your Repositories > New > Name of the App> Public or Private > README > Create Repository
- Now under the App go to Code and copy SSH link
- Come to git bash and cd to the app's folder(app folder should have same name as App in github)
- Initialize the project as a local repo by typing the command

git init

- Add all the files in the folder to the local repo

git add .

- Check the status

git status

- Commit the files to the repo

git commit -m "First Commit"

- Add the github repo as remote origin

git remote add origin < github repo SSH link>

- Push the files to remote origin

git push -u origin master

Step 6: Invite Collaborators

- Go to Settings under the Repo > Collaborators> type your password > Manage Access > Type the user name > Send the invitation
- Collaborators should accept the invitation and then clone the repo as following by typing in git bash

git clone git@github.com:DavidPratap/[REDACTED].git
git checkout -b Dev

Step7: Deploy the APP

- To deploy the app first get streamlit sharing using the link <https://streamlit.io/>
Connect to your github account so that the app can be directly pulled from github.

Now go to share.streamlit.io and press new and

Type the following url

https://github.com/DavidPratap/[REDACTED]/blob/dev/Project.py

choose the correct app and press Deploy and CONGRATS your app is deployed !

Compiled by David Pratap

Principal Data Scientist, Bangalore