LLM Bootcamp Projects Handbook

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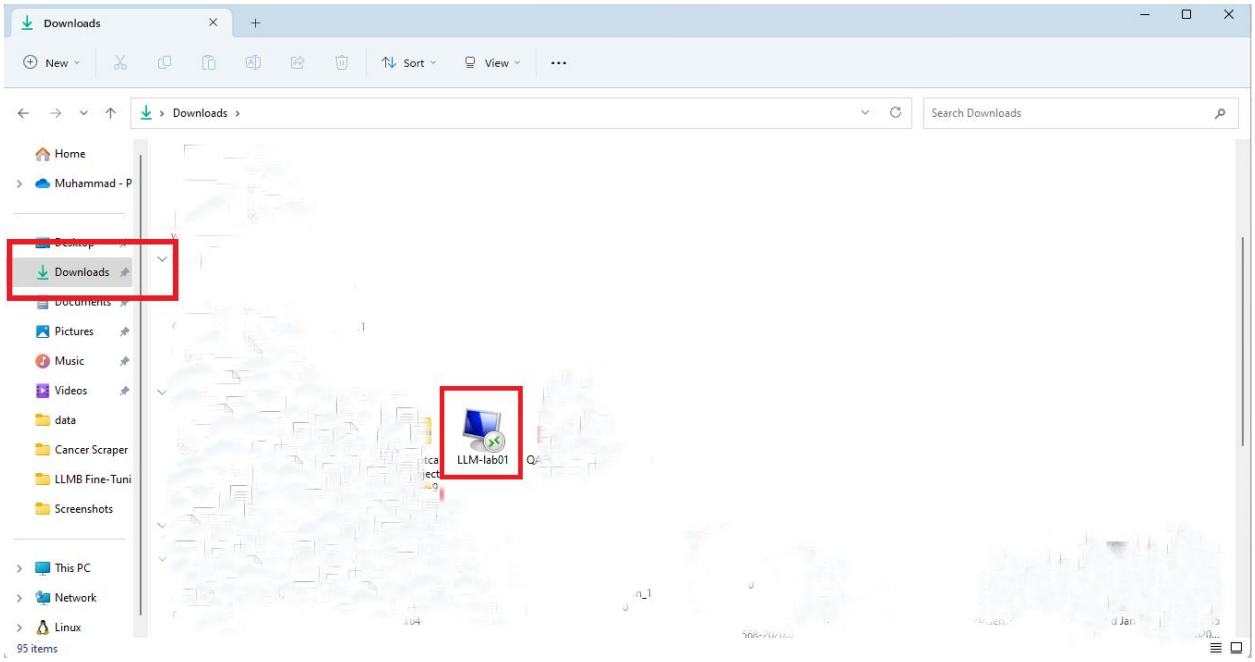
1. Set-up Virtual Machine using RDP files

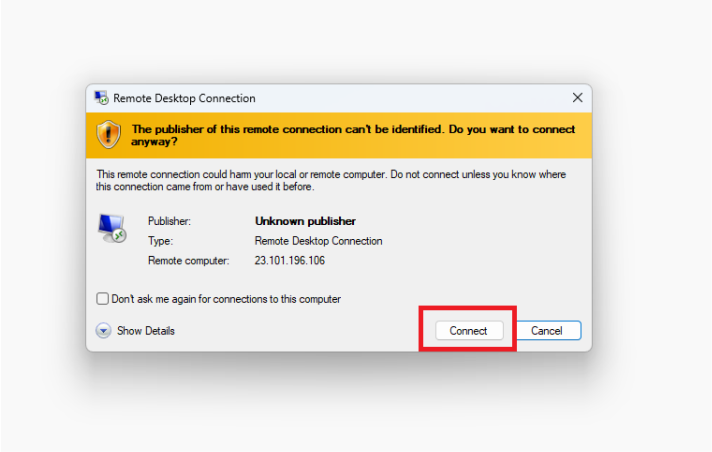
You are given a link. Click on that link.

For Example:
https://stpydspipeline.blob.core.windows.net/llmlabscontainer/llmlab03.rdp
It will download a virtual machine.

1. Go to the **Downloads** directory and double-click on the virtual machine icon. You will see the Icon as in the image below:

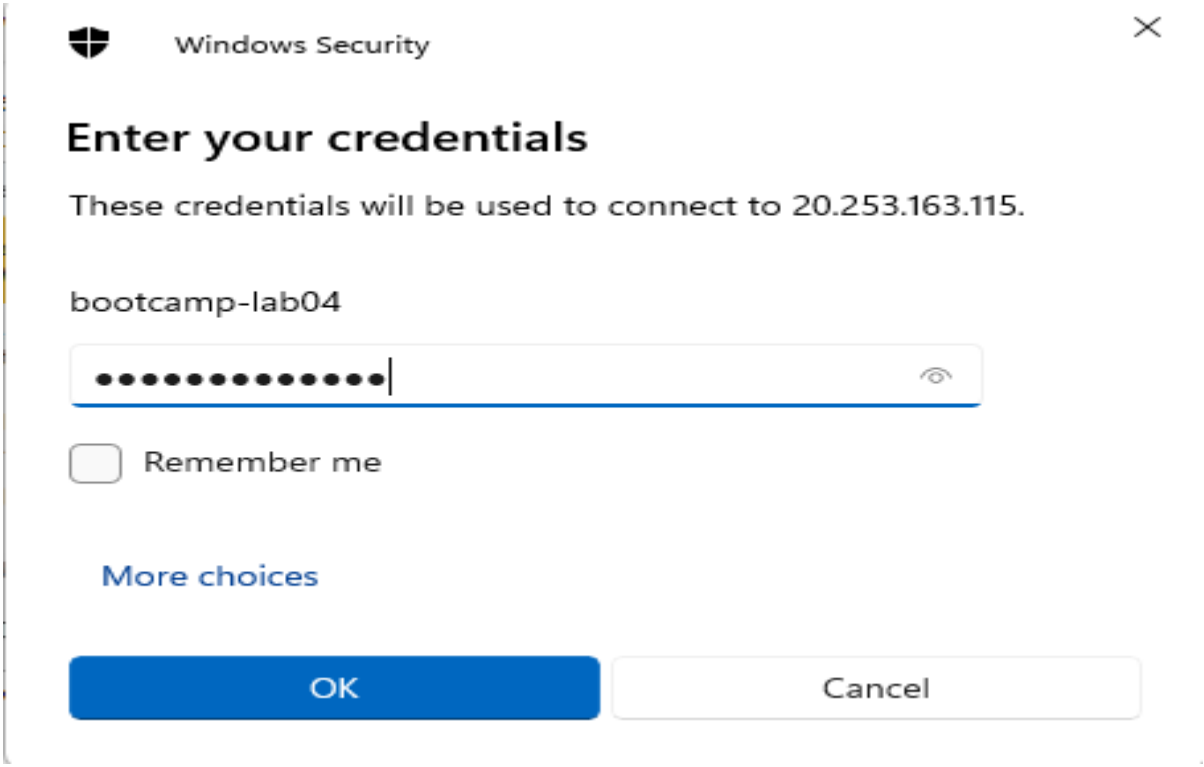


2. Now click on **“Connect”.**

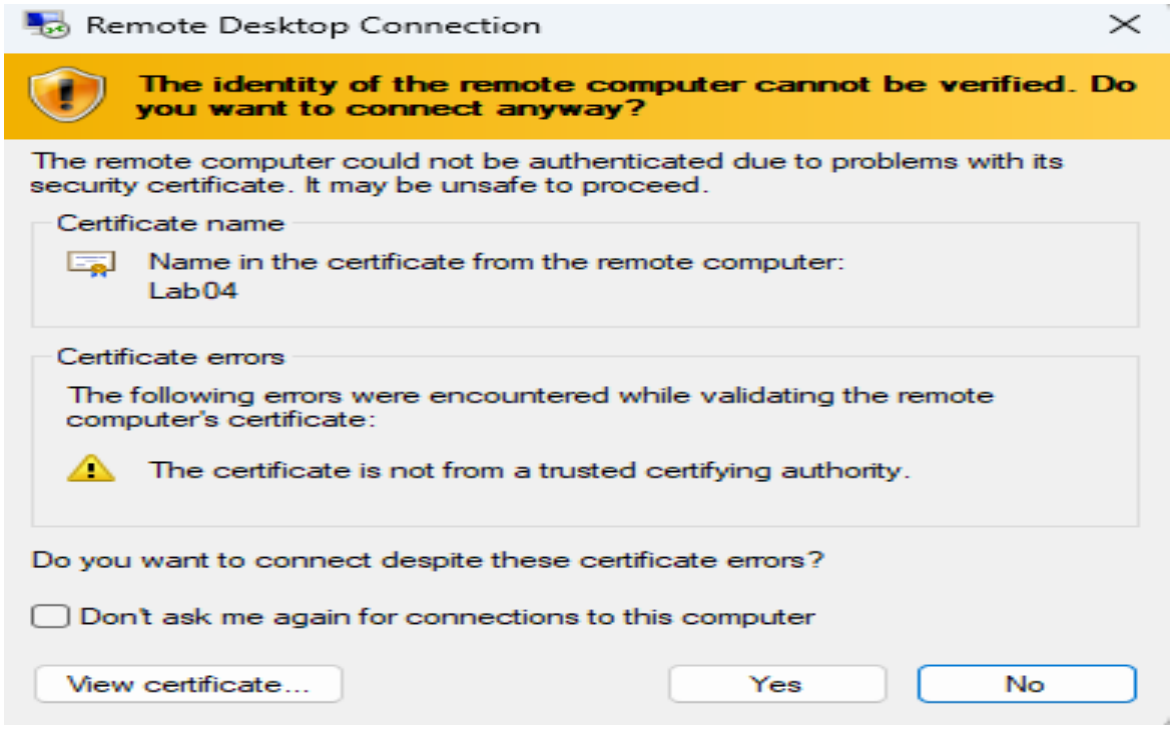


3. Enter the **username and password** and click on **Ok.**

Username: bootcamp-lab01
Password: DSD@LLMBLAB01



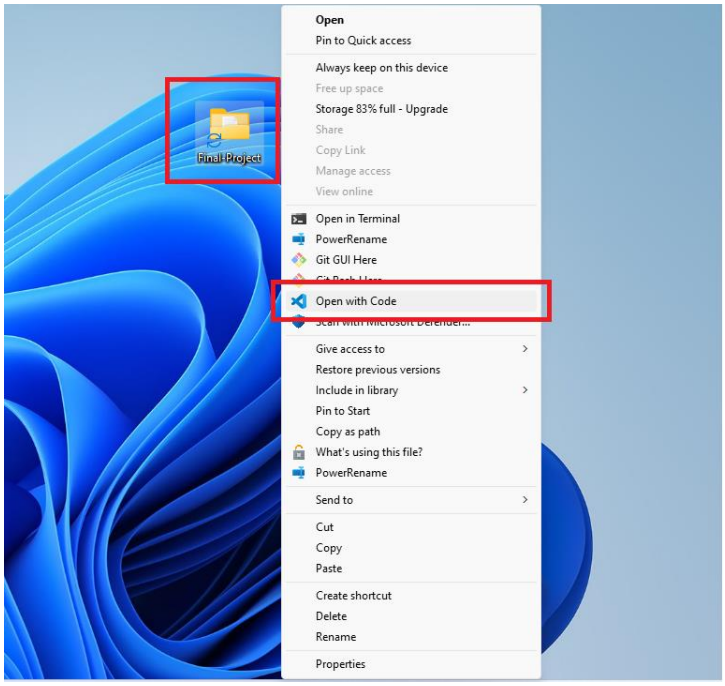
4. You will see the following. Now click on **Yes.** Your VM is set-up now.



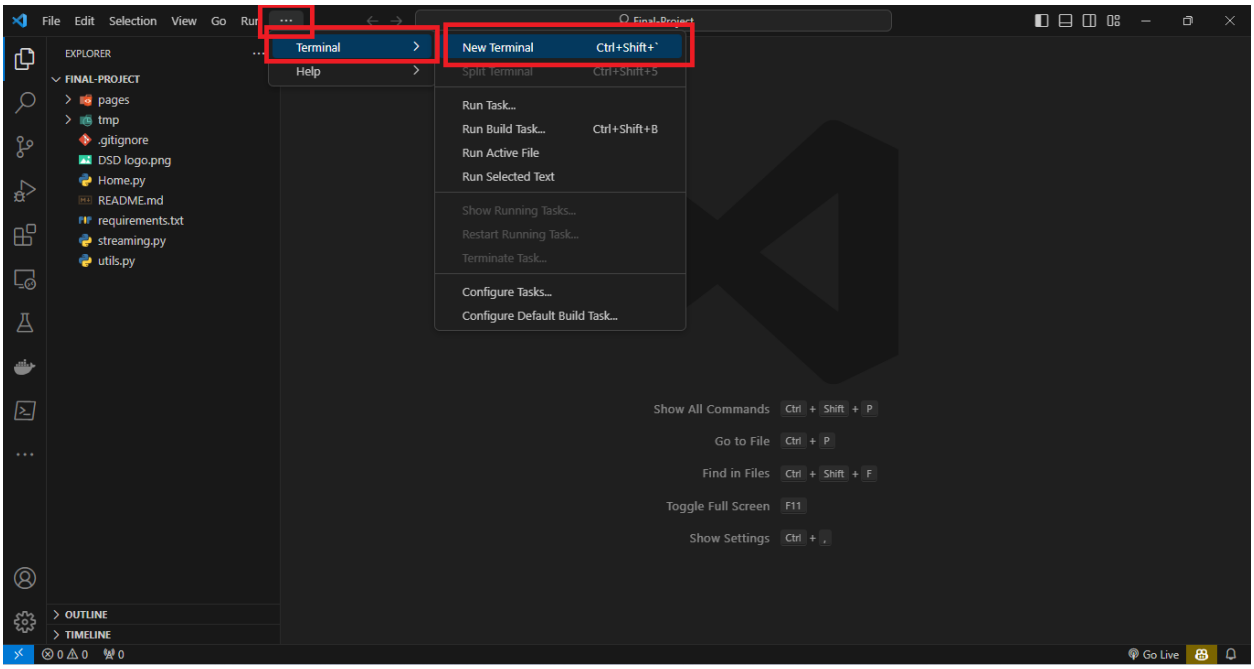
2. Project setup and execution

2.1 Setting-up project code in VS code

1. You can **open** project in Visual Studio Code simply by **right clicking** on the **Final-Project** folder icon on the **Desktop** then click on **Open with Code.**

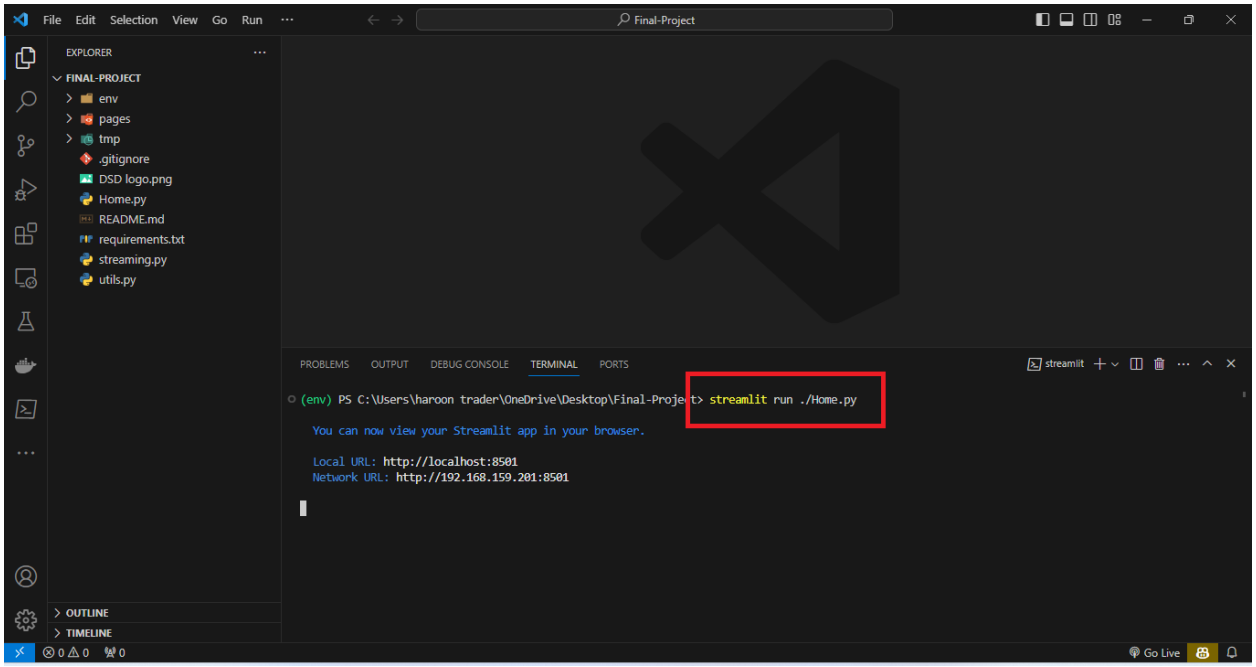


2. On the top there is the menu bar of Visual Studio Code. Select **…** (3-dots) > **Terminal** > **New Terminal** or use the shortcut **Ctrl + Shift + `**

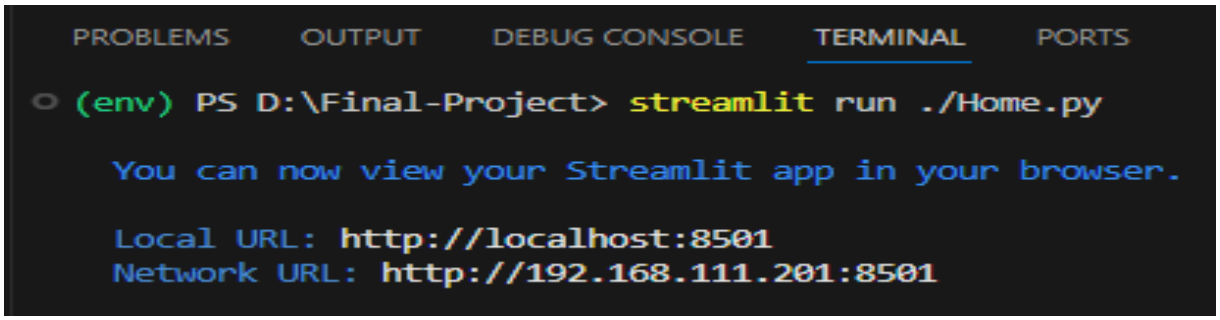


2.2 Project Execution

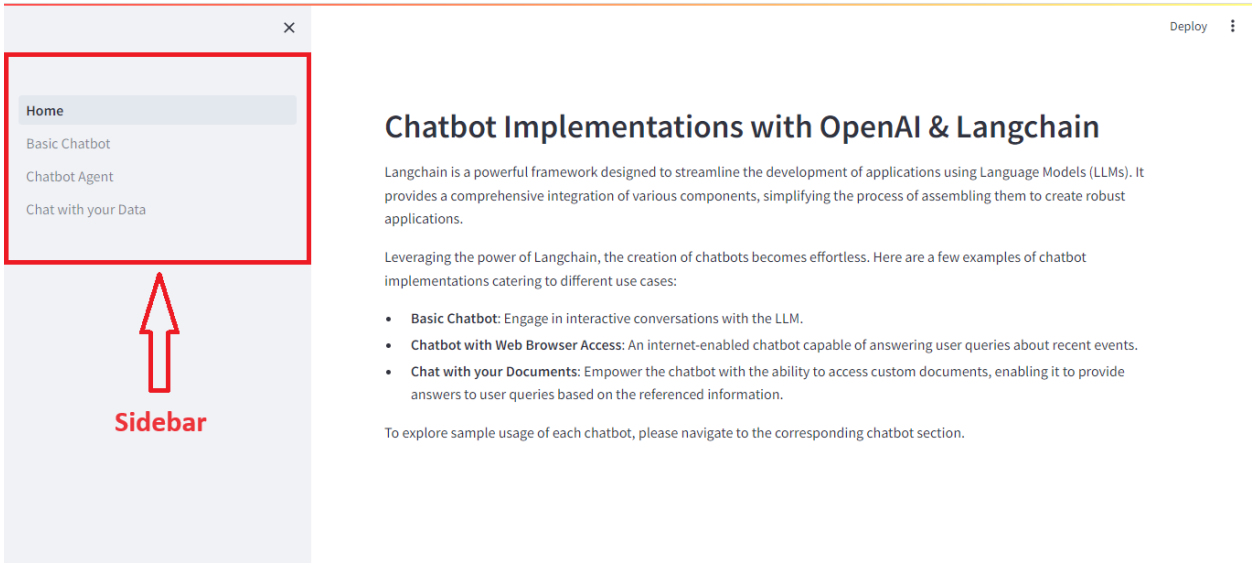
1. In the terminal of VS code write **streamlit run Home.py** and press **Enter**



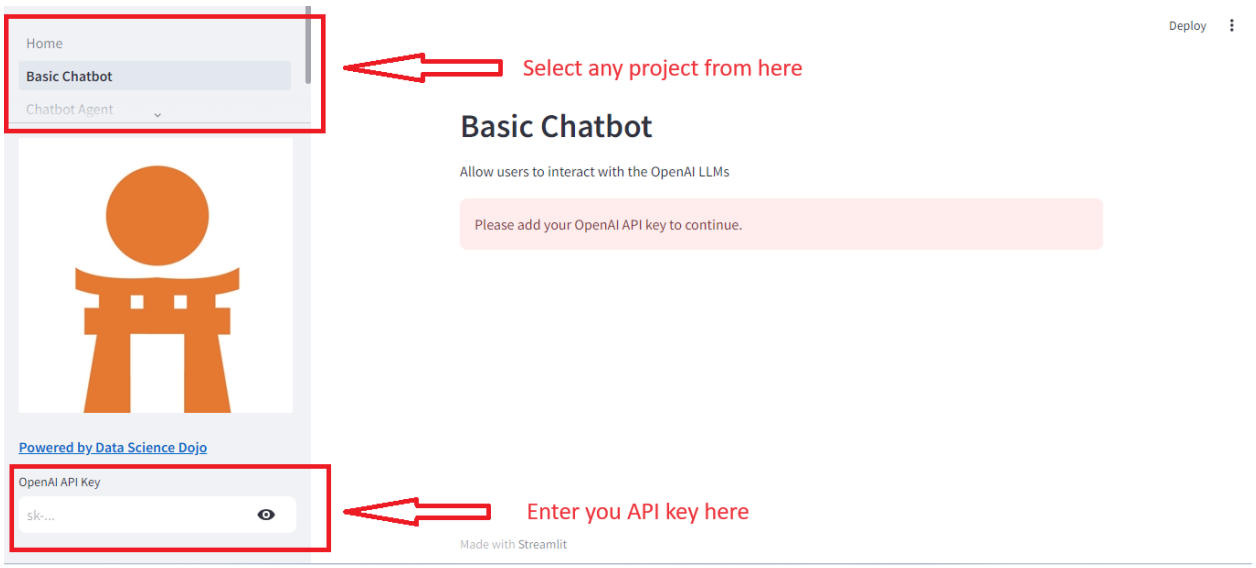
A closer picture



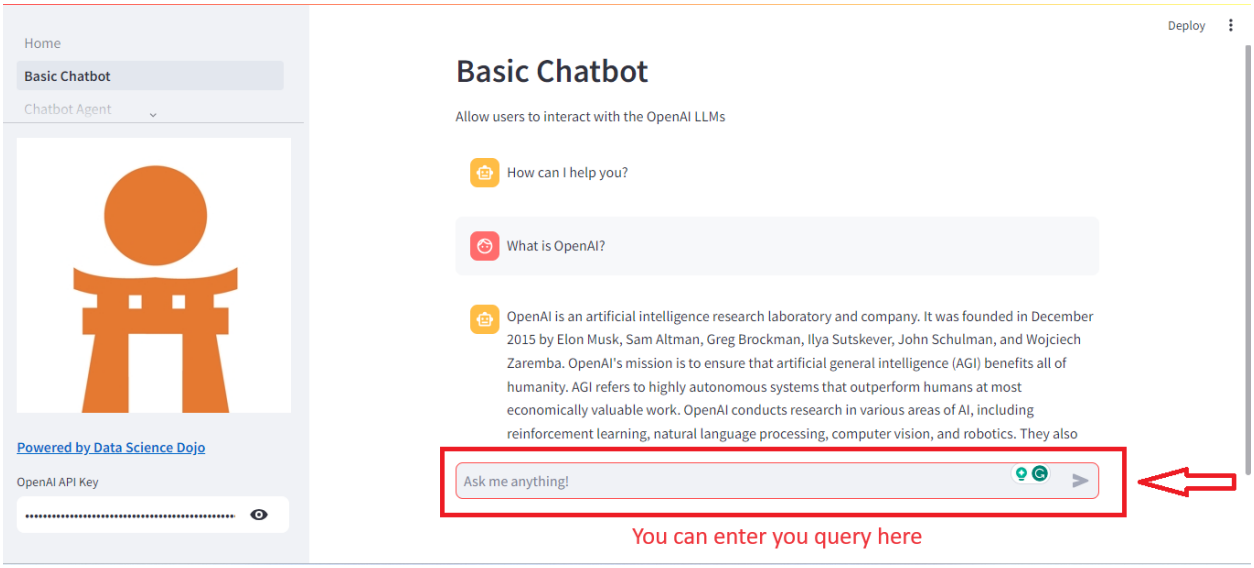
2. You will be redirected to the **Home Page.** It contains the meta related info about the projects. You can see on the **left pane (sidebar)** we have three projects
    a. Basic Chatbot
    b. Chatbot Agent
    c. Chat with your data



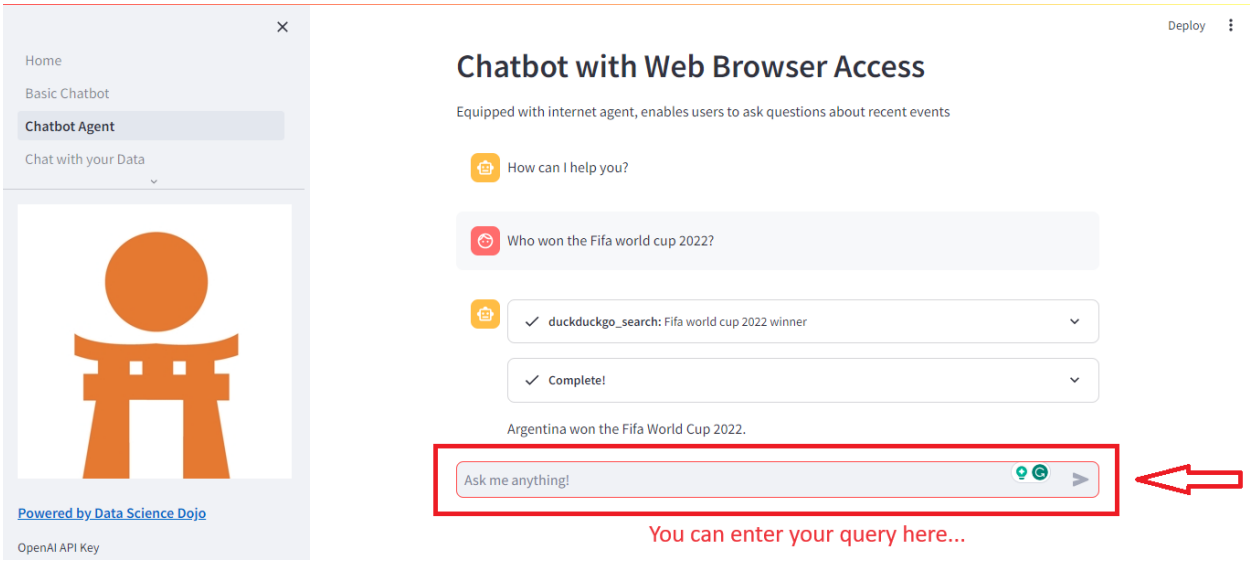
3. You will be able to navigate through the projects using the left sidebar. Select any of the project from the left sidebar, scroll down the sidebar a bit and enter the **secret API key** given to you and press **Enter.**



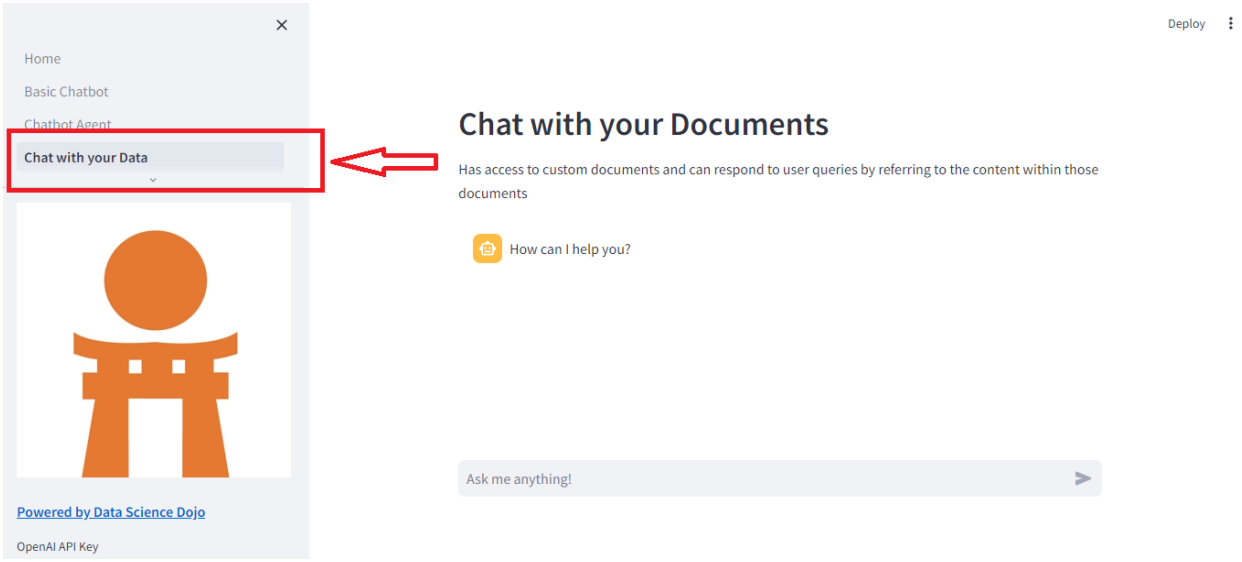
4. To use the **Basic Chatbot,** select it from the sidebar and enter your query in the textbox provided and press **Enter.**



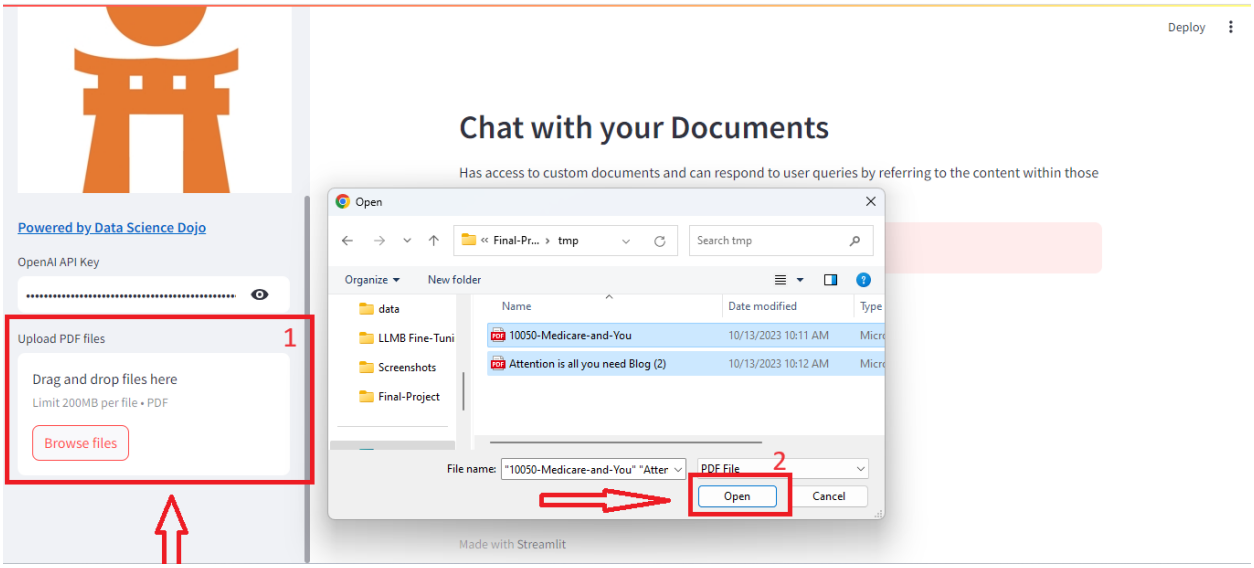
5. To use the **Chatbot Agent,** select it from the sidebar and enter you query in the textbox provided and press **Enter.**



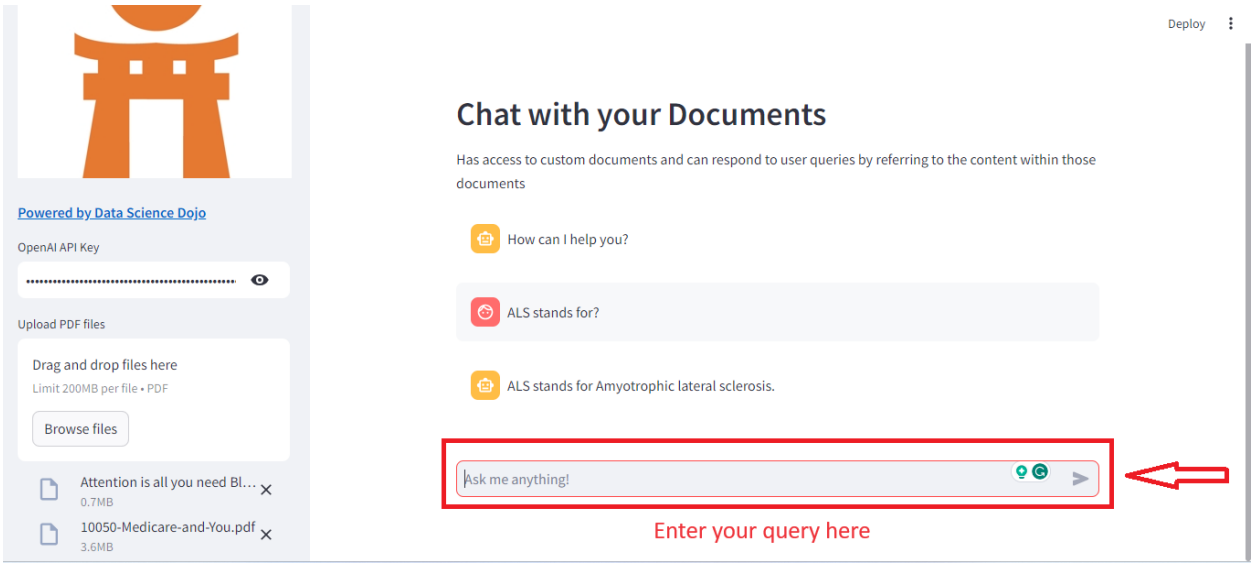
6. To use the **Chat with your Data,** select it from the sidebar.



a. Scroll the sidebar down, click on **Browse files,** select the pdfs from the **data** folder on desktop and press **open.**



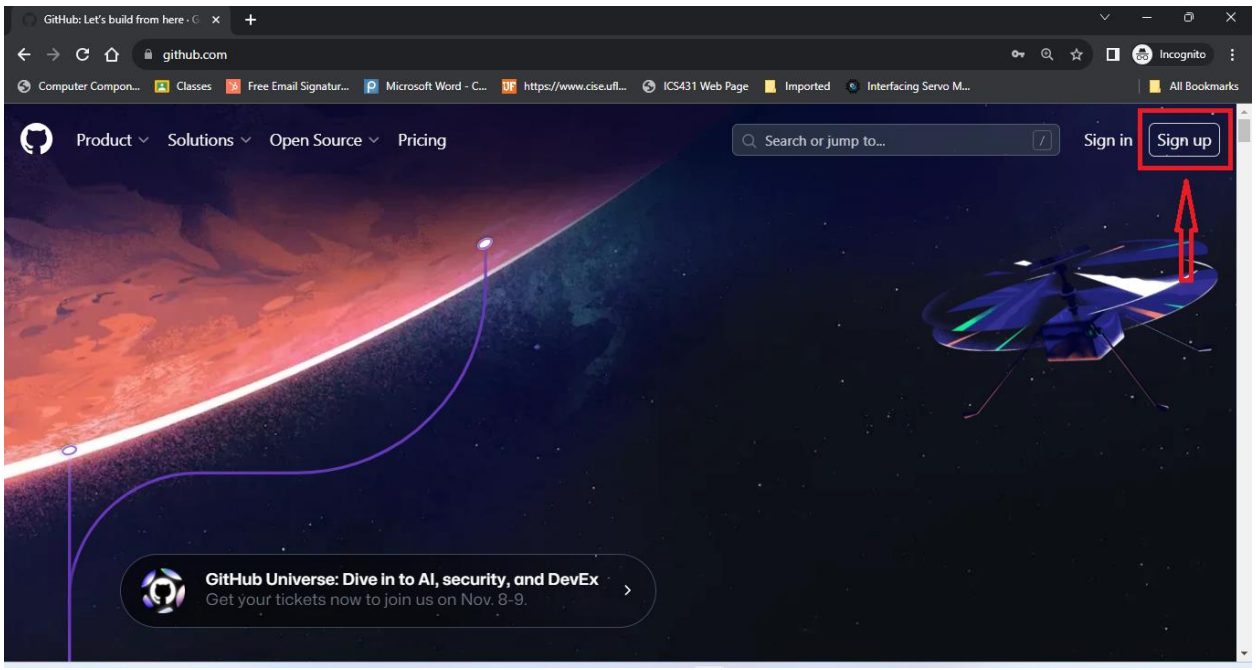
b. Now, enter your query about the pdfs in the textbox provided and press **Enter.**



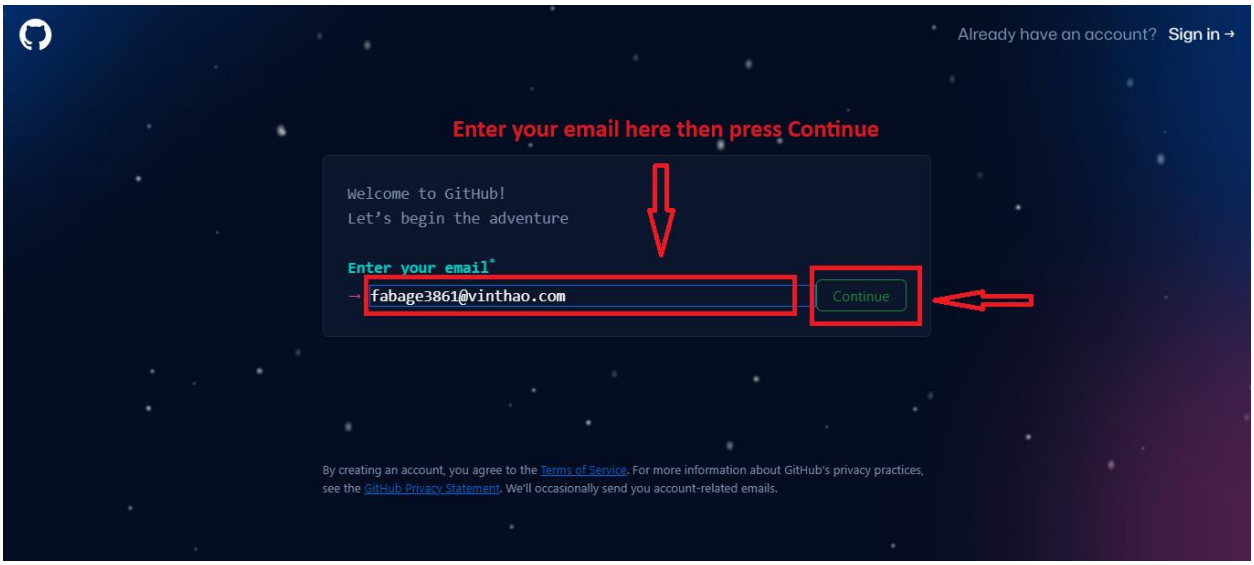
3. Set-up Github Account

3.1 Sign-up for Github account

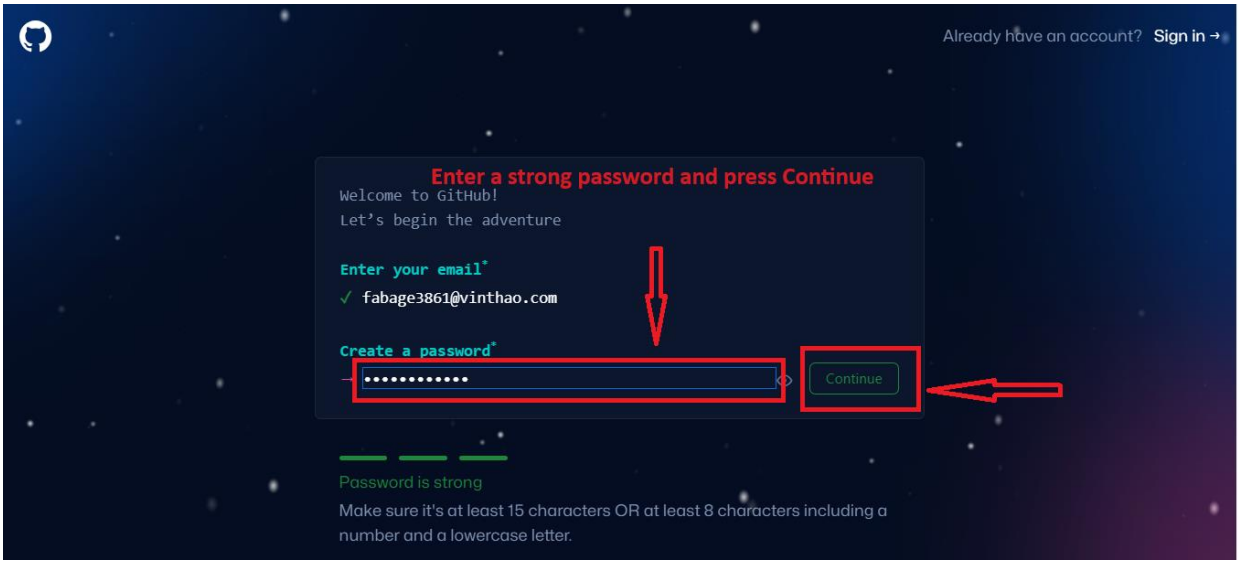
1. In order to create a github account goto https://github.com/ and select sign up from top right of the page.



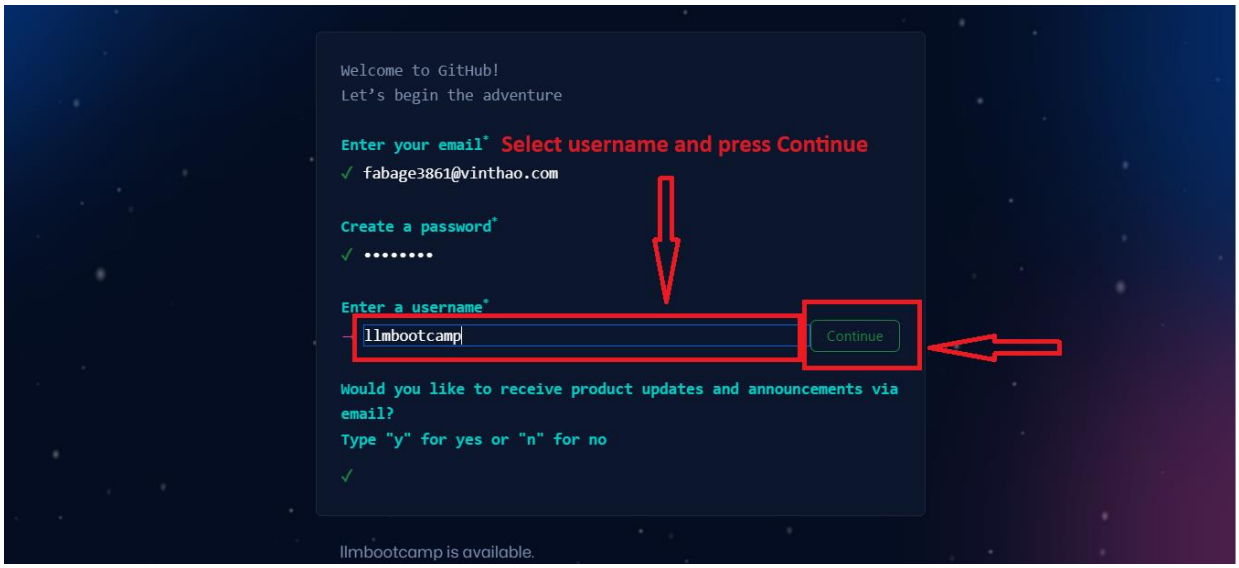
2. You'll be redirected to an other page where you'll be asked to enter your email address. Enter your email address there.



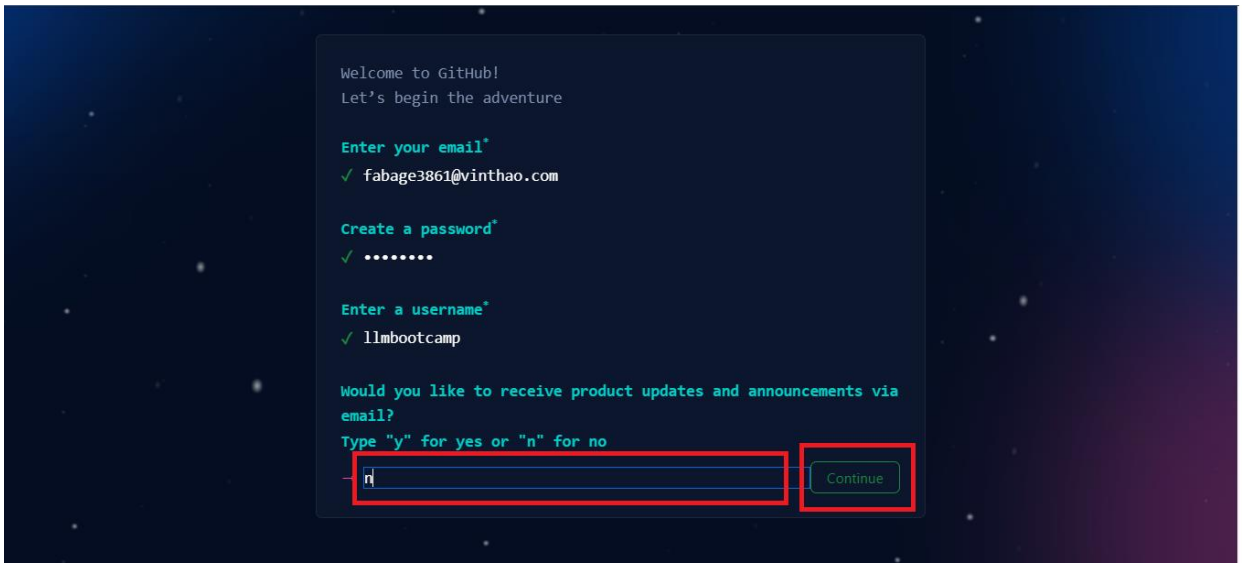
3. After you add your email and press continue you'll be asked to enter a password. Make sure you add a strong password by making different combination of upper and lower alphabets, numeric numbers and special characters.



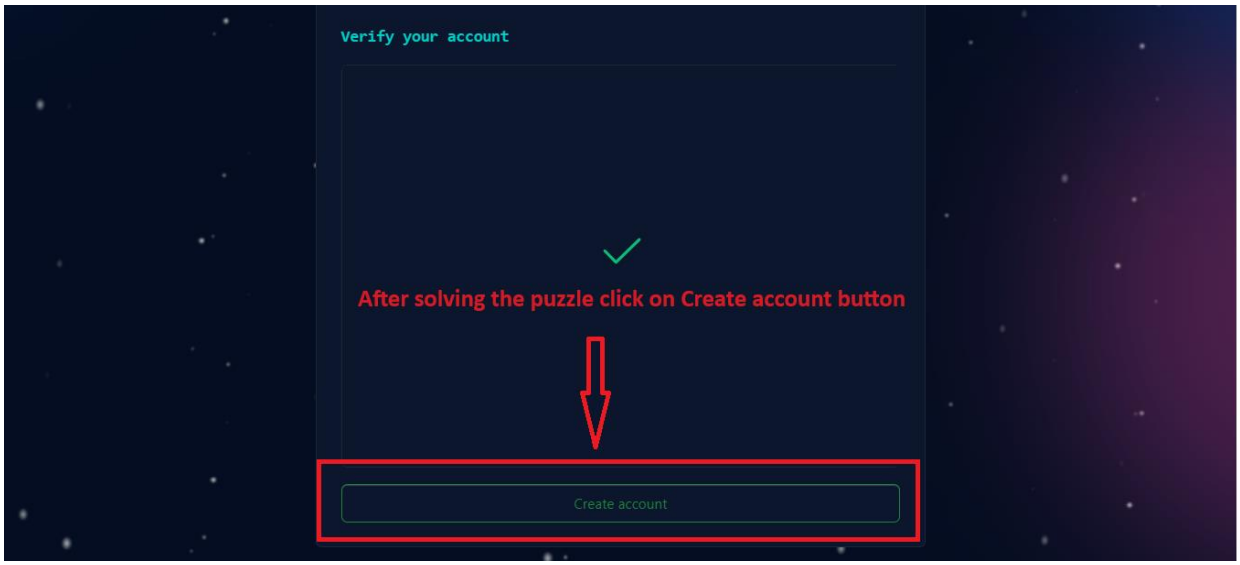
4. After adding a password you'll be asked to create a username that will be public.



5. After create a username you'll be asked whether you want to receive product updates via email. If you want to receive press "**y**" otherwise "**n**".



6. After this you'll be asked to verify as a human by playing a puzzle or solving a **CAPTCHA**. After solving it click on **Create account** button.

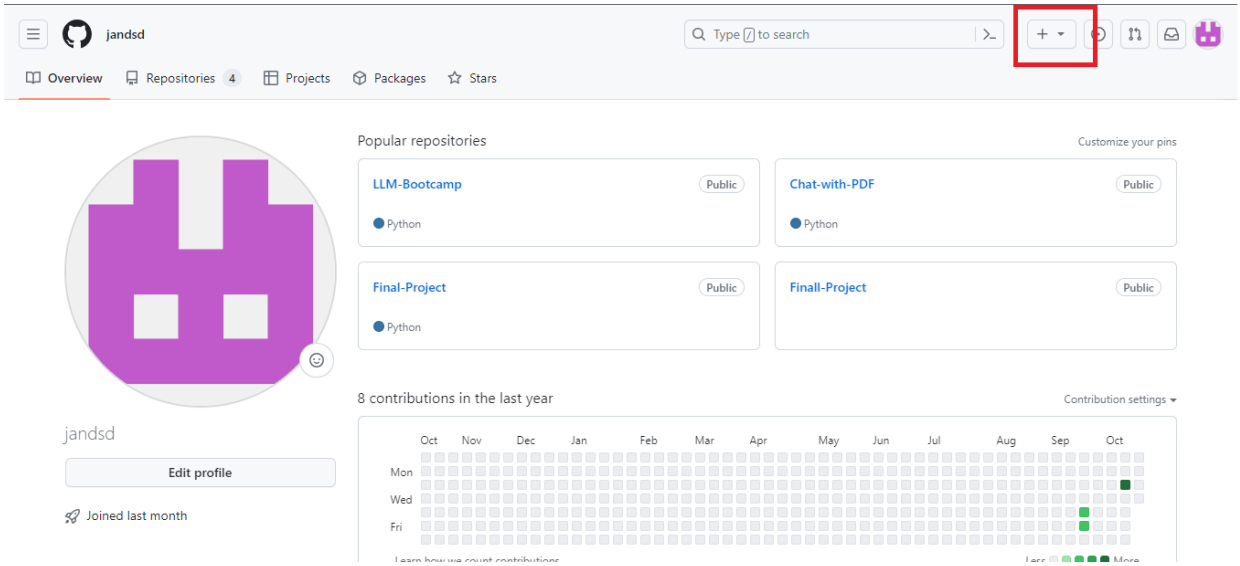


7. After creating your account you will receive an email with an OTP to verify your email address. Add the OTP and if you do not find any OTP in your mail please check your junk or spam folders.

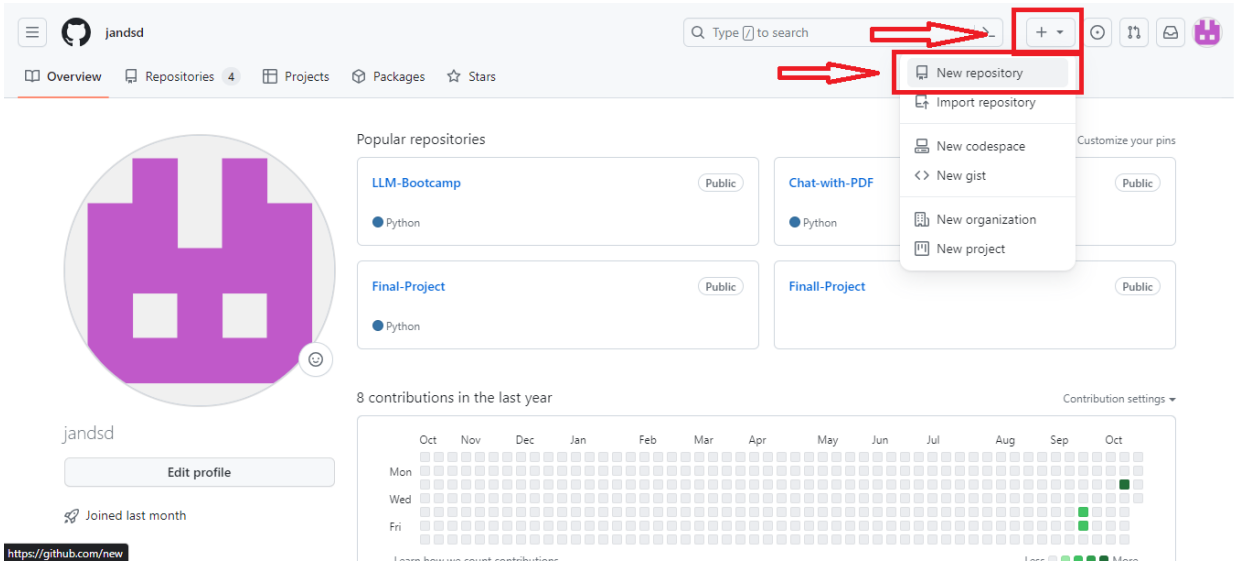
Now your account is ready.

3.3 Creating a Github repository

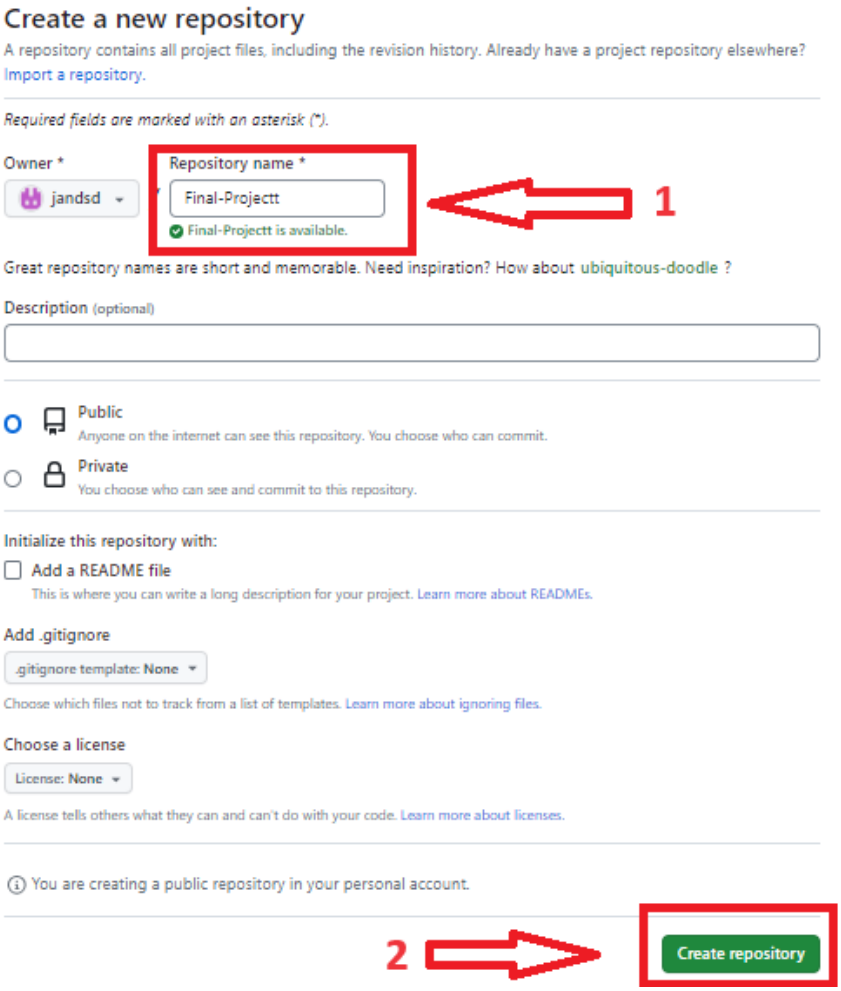
1. To create a Github repository goto your profile (make sure you have account logged in) and from the top right of the page click on the **plus (+) button.**



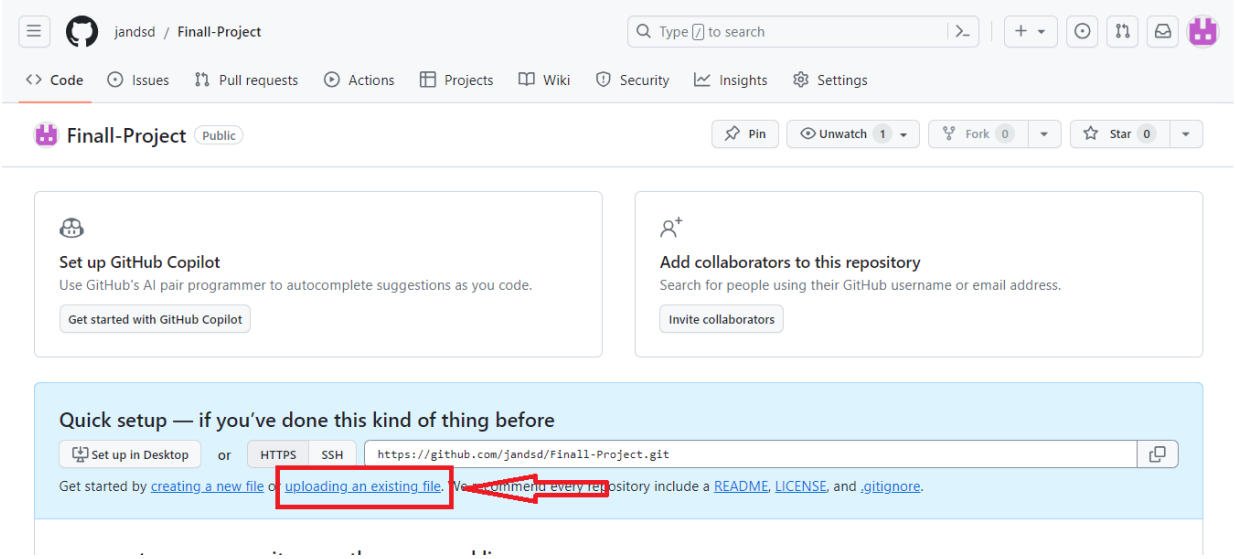
2. Now select “**New Repository**”



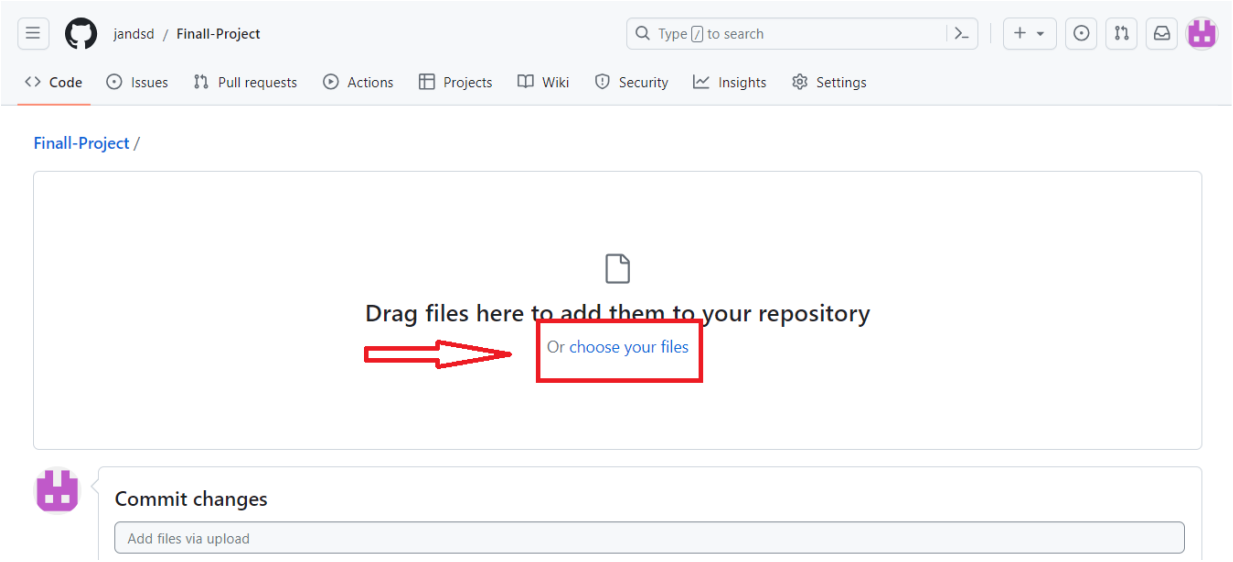
3. Now, add the repository name and press the **Create repository** button from the bottom in green color and the repository will be created.



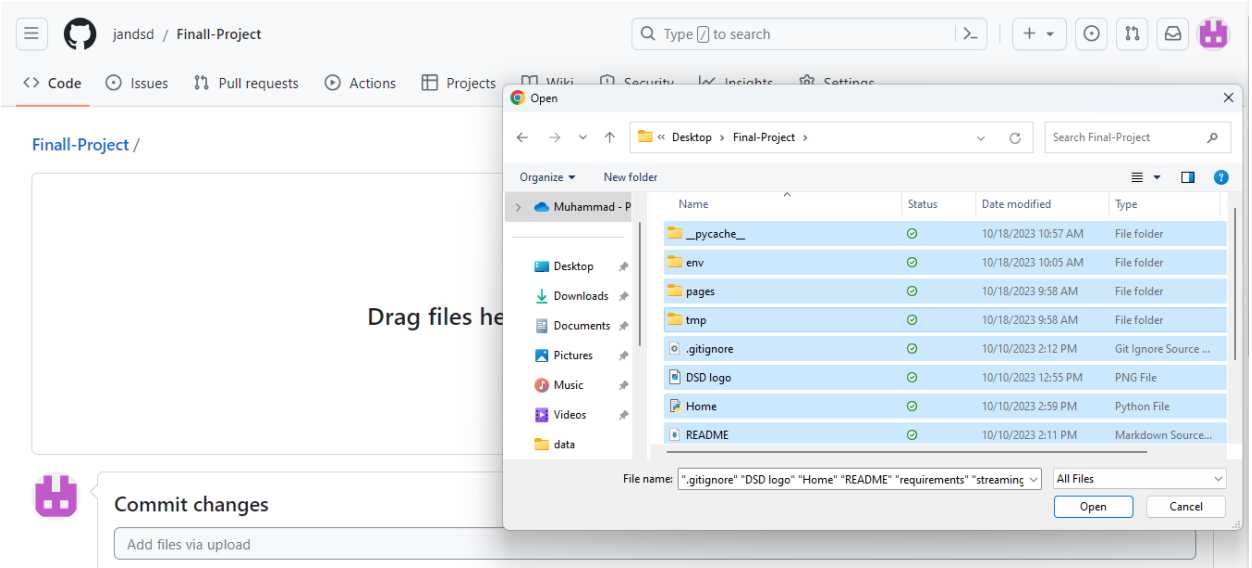
4. To push the code to you Github repository click on **uploading an existing file**



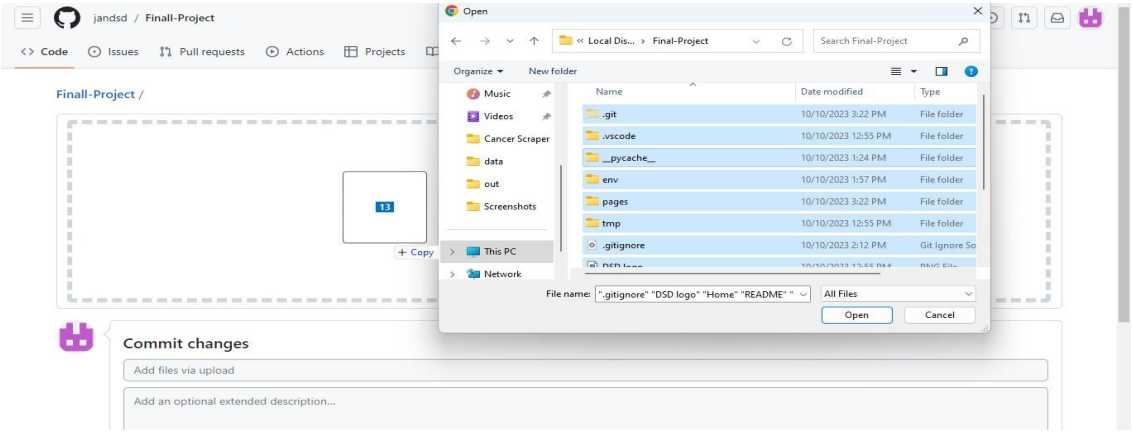
5. Now click on **choose you files.**



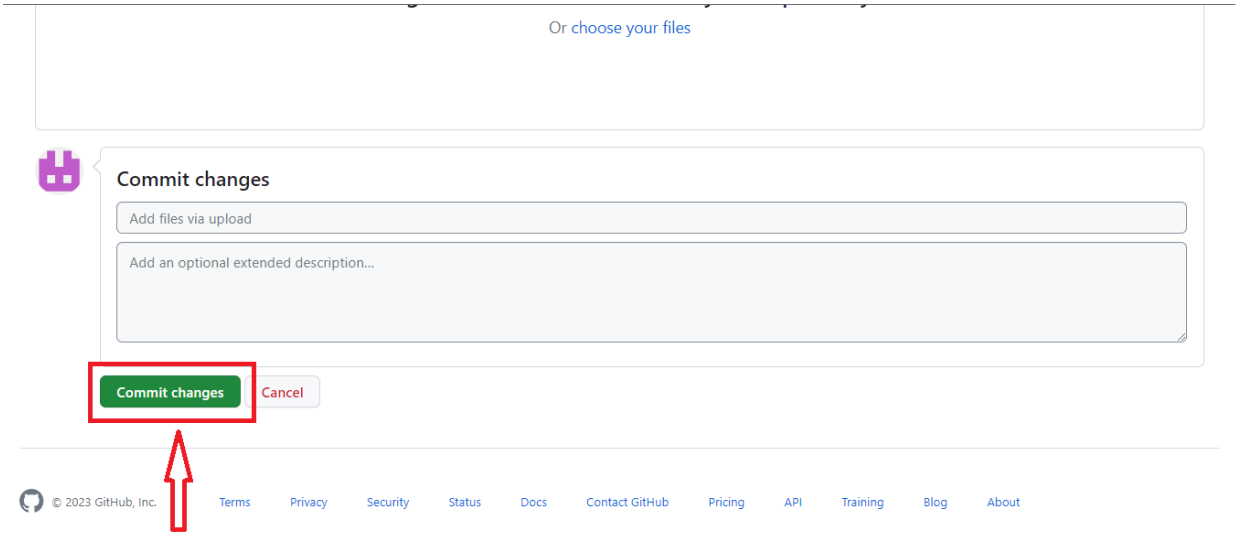
6. Now, go to **Desktop > Final-Project** and select all **files and folders.**



7. Use the **drag and drop** option to **upload** the files. (Must do drag and drop otherwise all files will not be uploaded) and will cause **problems** later.

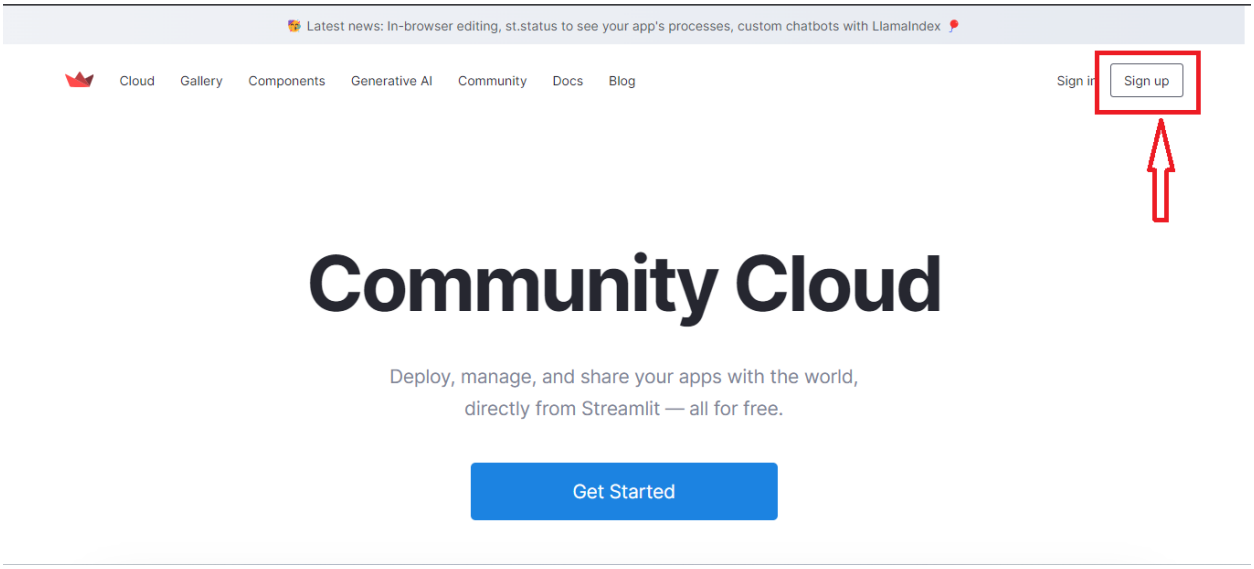


8. Now, click on **Commit changes.**

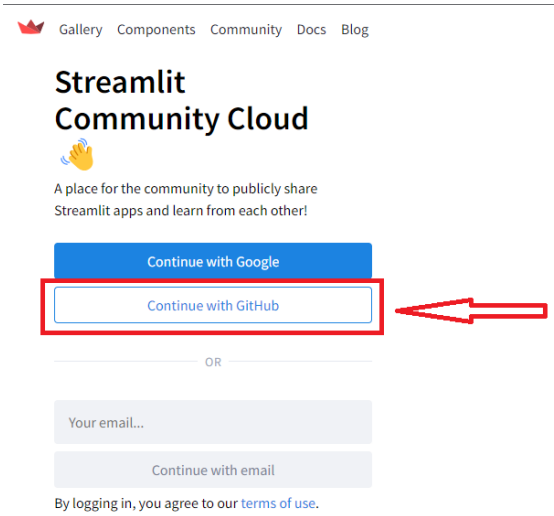


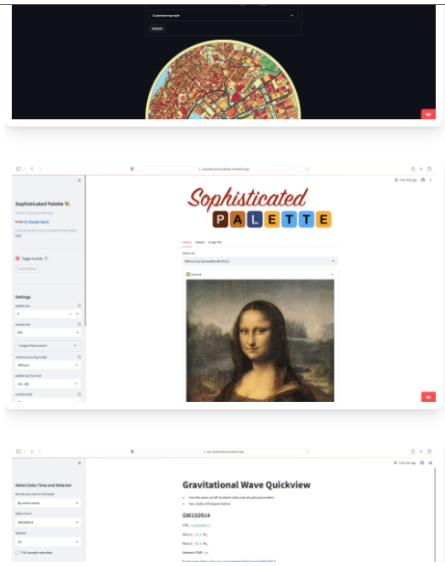
3.5 Setting Streamlit cloud account

1. Go to the link: https://streamlit.io/cloud and from the top right corner click on **sign up** if you don't already have an account

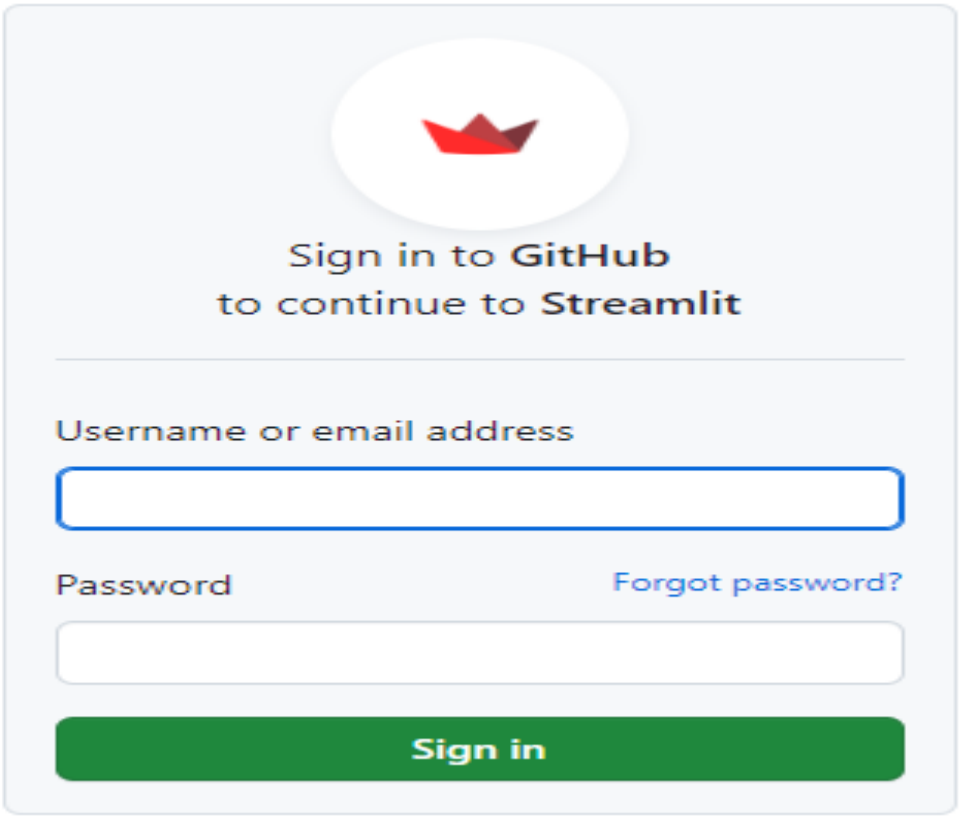


2. You'll see multiple routes to sign up. Since we have learnt how to create a GitHub account we will be following that route and click on **Continue with GitHub.**

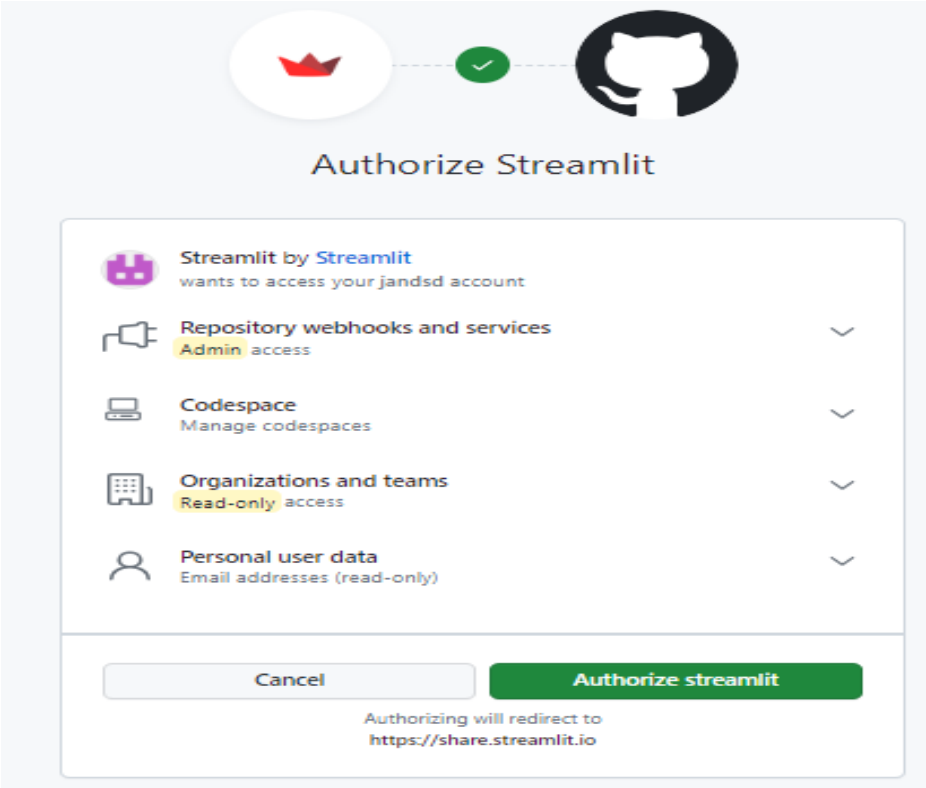




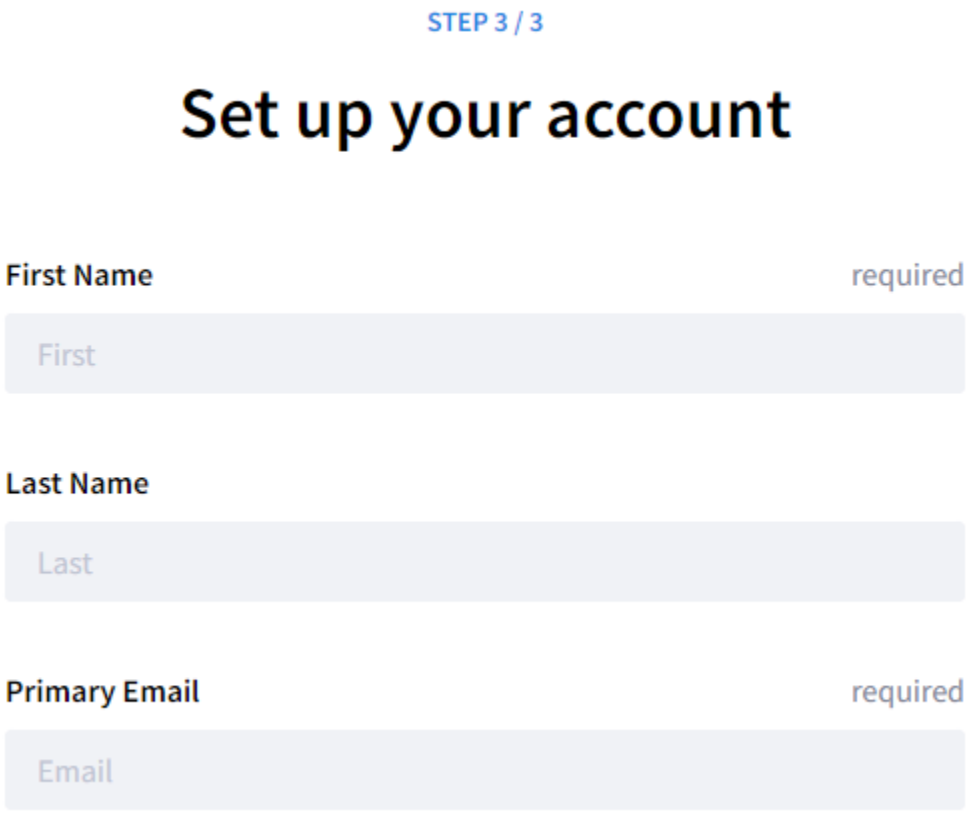
3. Click on Continue with GitHub and it will ask you to log in to your GitHub account. Enter you username and password and click on sign in.



4. Now, it will ask to authorize the Streamlit with Github. Click on "**Authorize Streamlit**"

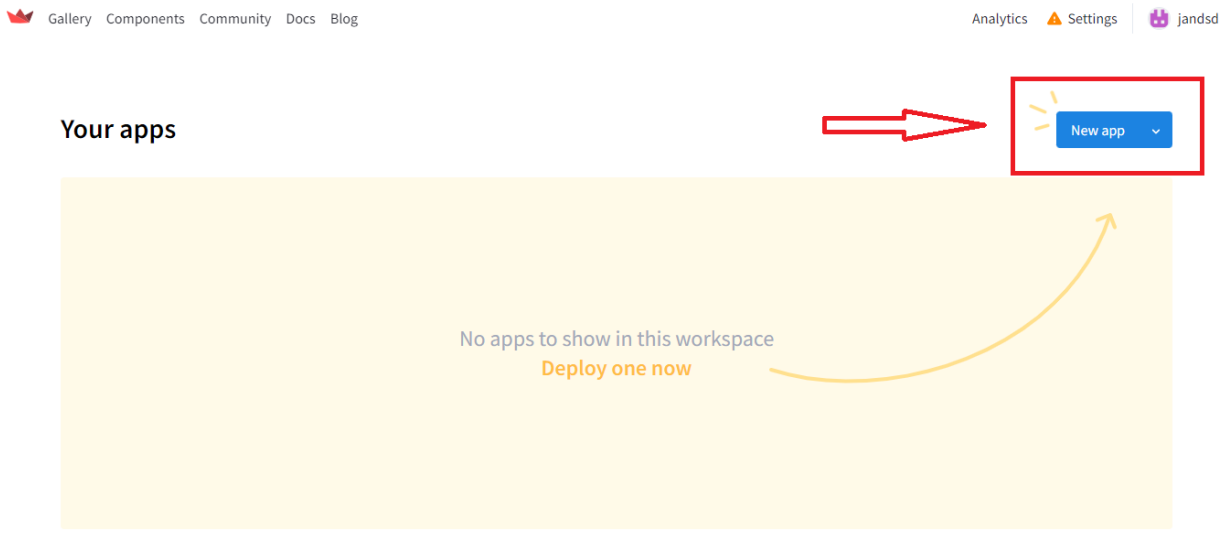


5. Now, it will ask you to fill out a form to set up your account.

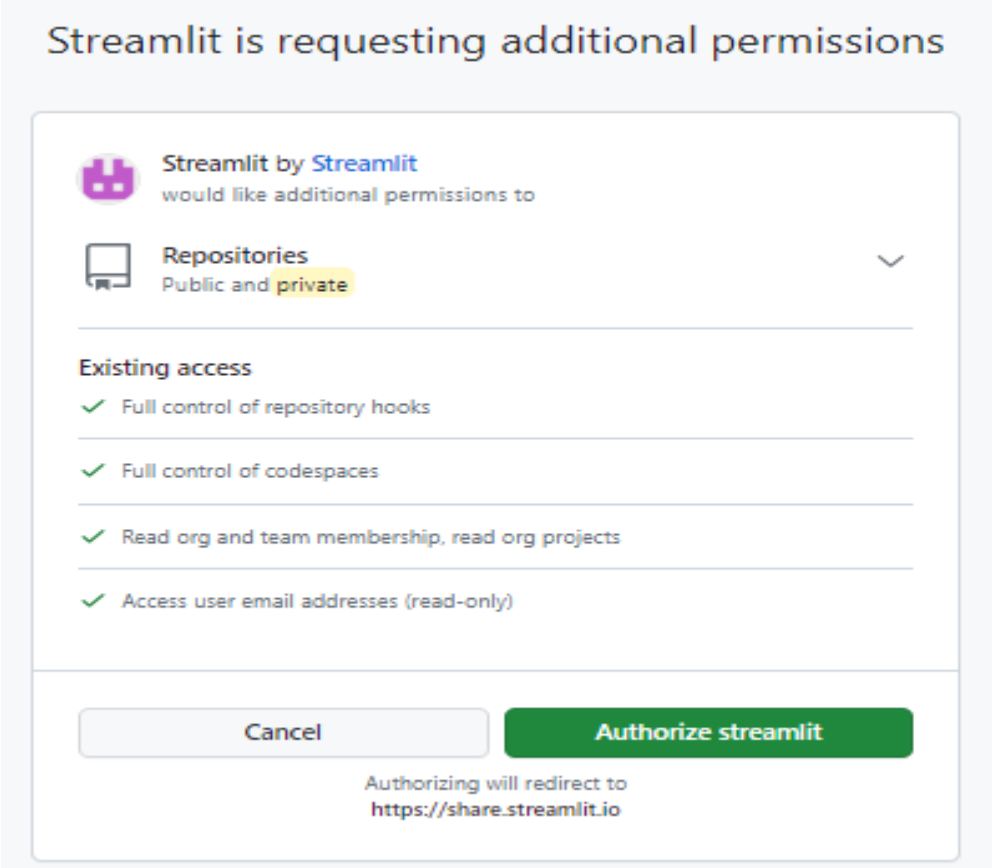


3.6 Deploy on Streamlit cloud

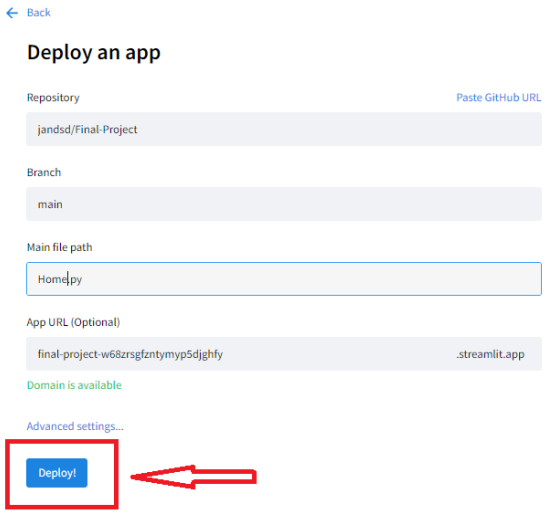
1. After setting up your Streamlit account login it and click on “**New app**” on top right.



2. It will ask to **Authorize streamlit**. Press the green button.



3. Since you have signed up using GitHub after the authorization it will ask you to select which repository you want to deploy, on which branch, and other related info.
4. Select the repository on which you have **uploaded** the code. There is a textbox type dropdown with the title repository.
5. Select the brach if have pushed on another branch. By default the branch is **main.**
6. Write main file name in our case main file is **Home.py**
7. After filling out details clock on "**Deploy!**". It will take some time to deploy your app.



8. Your app will be accessible from the App URL