

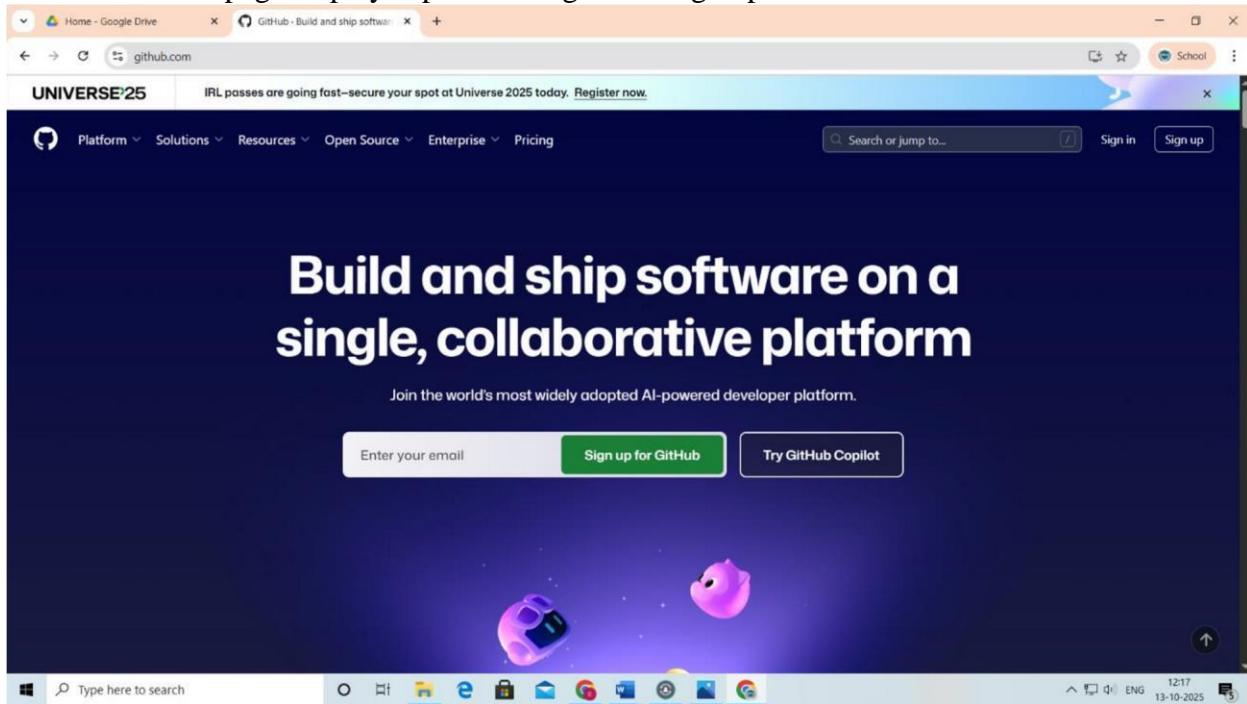
## Practical 1<sup>st</sup>

**Title:** Demonstrate how to create a GitHub account.

### 4. Procedure (Step-by-Step Execution)

#### Step 1: Open GitHub Website

- Open a web browser and visit <https://github.com>.
- The homepage displays options to sign in or sign up.



#### Step 2: Click on “Sign up”

- On the top-right corner, click “Sign up” to create a new account.

#### Step 3: Enter Your Details

Fill in the following information:

1. **Email Address:** Provide a valid email ID.
2. **Password:** Choose a strong password containing letters, numbers, and symbols.

3. **Username:** Enter a unique username (this will be your public GitHub name).
4. **Email Preferences:** Choose whether you want to receive product updates.

The screenshot shows the GitHub 'Join GitHub' page. At the top, there's a navigation bar with links for Product, Solutions, Open Source, Pricing, and a search bar. Below that, the main heading reads 'First, let's create your user account'. The form fields are as follows:

- Username \***: usernameNIH
- Email address \***: CITCloudServices@nih.gov
- Password \***: (redacted)

A note below the password field states: "Make sure it's at least 15 characters OR at least 8 characters including a number and a lowercase letter. [Learn more](#)".

**Email preferences**: A checked checkbox next to the text "Send me occasional product updates, announcements, and offers."

**Verify your account**: A large rectangular box containing a green checkmark icon.

**Create account**: A green button at the bottom of the form.

At the very bottom, a small note reads: "By creating an account, you agree to the [Terms of Service](#). For more information about GitHub's privacy practices, see the [GitHub Privacy Statement](#). We'll occasionally send you account-related emails."

#### Step 4: Verify Your Account

- Complete the CAPTCHA verification (“solve puzzle” to prove you’re human).
- Click “Create account”.

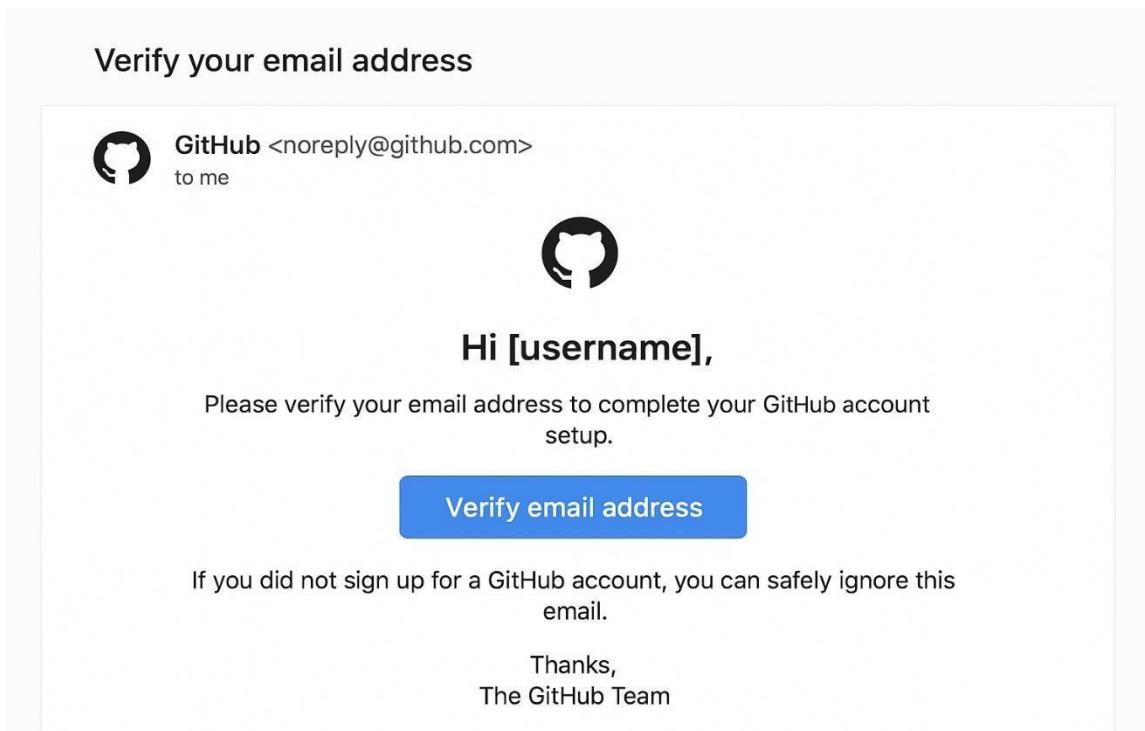
#### Step 5: Choose Your Plan

- GitHub provides both Free and Pro plans.

- Select Free Plan for students and individuals.
- Click “Continue”.

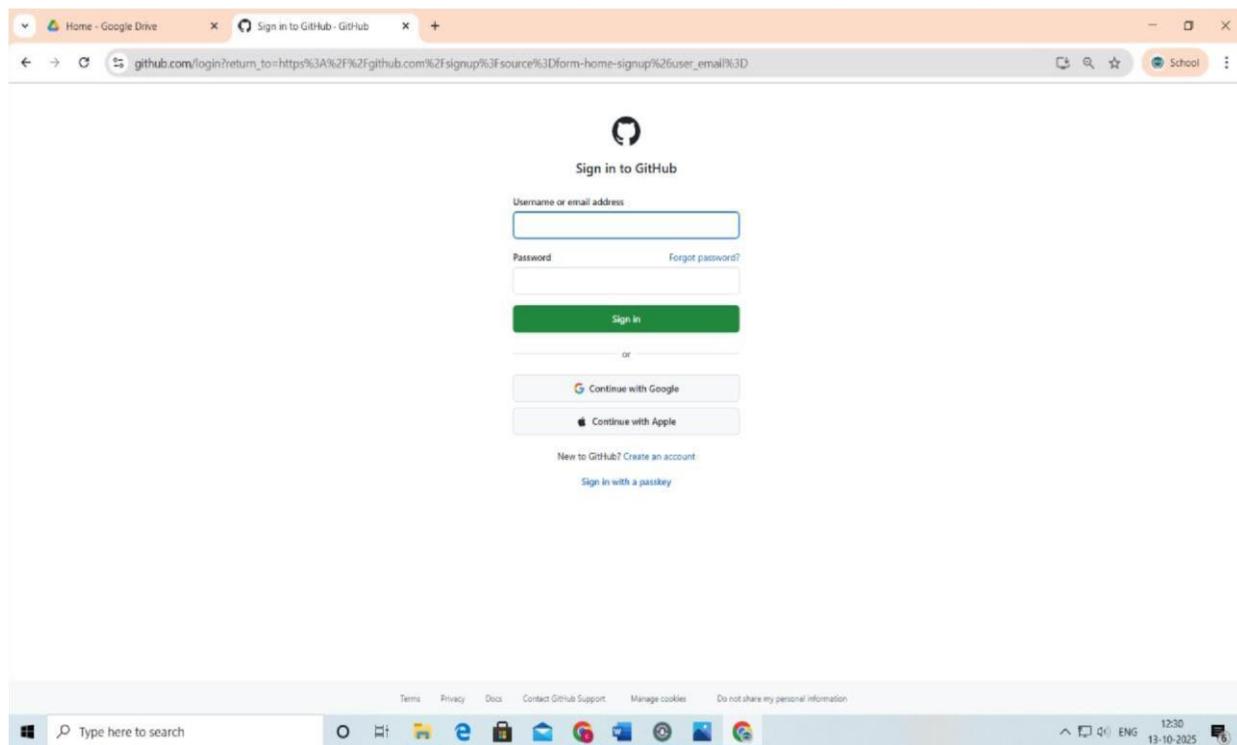
## Step 6: Email Verification

- Open your registered email inbox.
- You'll receive a confirmation email from GitHub.
- Click “Verify email address” to activate your account.



## Step 7: Log in to GitHub

- Return to <https://github.com/login>.
- Enter your username/email and password.



## Practical: 04

**Title:** Create account on docker step by steps.

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### 1. Procedure / Step-by-Step Execution

#### Step 1: Open the Docker Hub Website .

Open your preferred web browser.

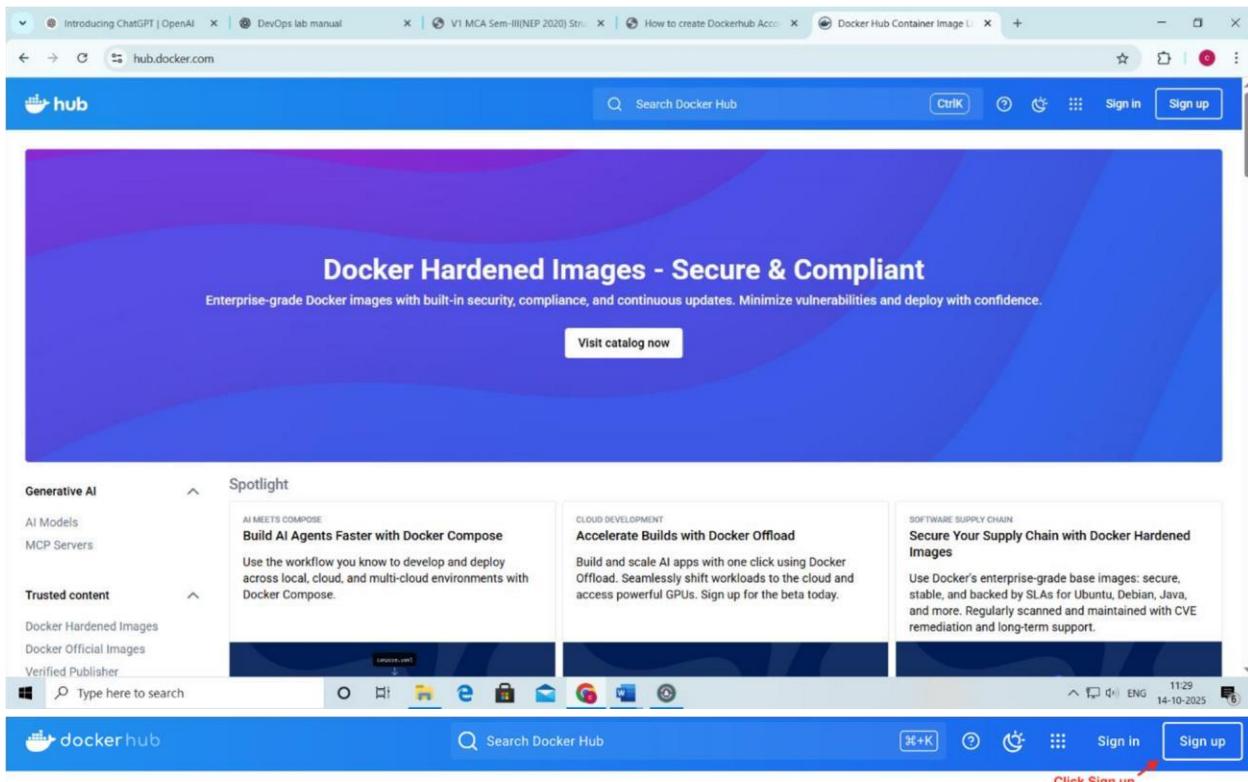
- Visit <https://hub.docker.com>.
- The homepage will display a “Sign In” and “Sign Up” option.

#### Step 2: Click on “Sign Up”

- Click the “**Sign Up**” button on the top-right corner of the homepage.

- You’ll be redirected to the registration page.

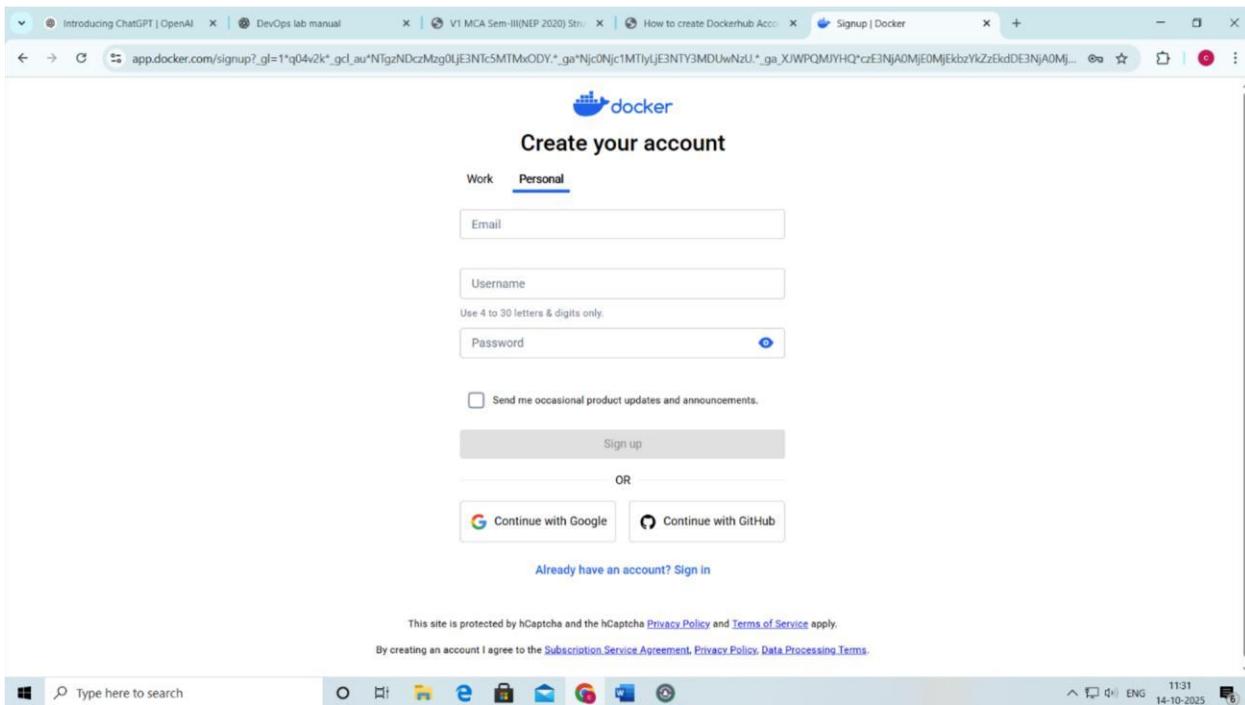
Enter the required details:



### Step 3: Fill Out the Registration Form

- **Username:** Choose a unique username for your Docker ID.
- **Email Address:** Provide a valid email address.
- **Password:** Enter a strong password (at least 8 characters, including a symbol and number).

Then, check the box to accept the **Docker Terms of Service**.

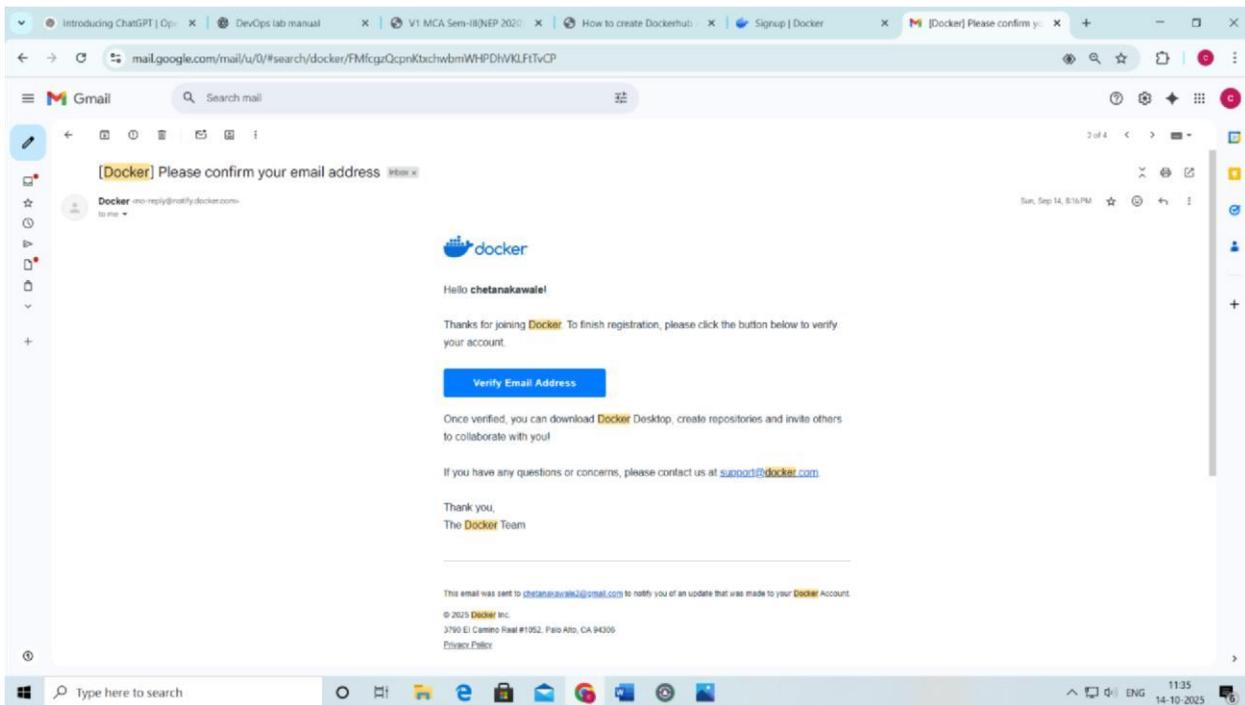


#### Step 4: Click “Sign Up”

- After entering your details, click on the “Sign Up” button.
- Docker will display a confirmation message asking you to verify your email.

#### Step 5: Verify Your Email Address

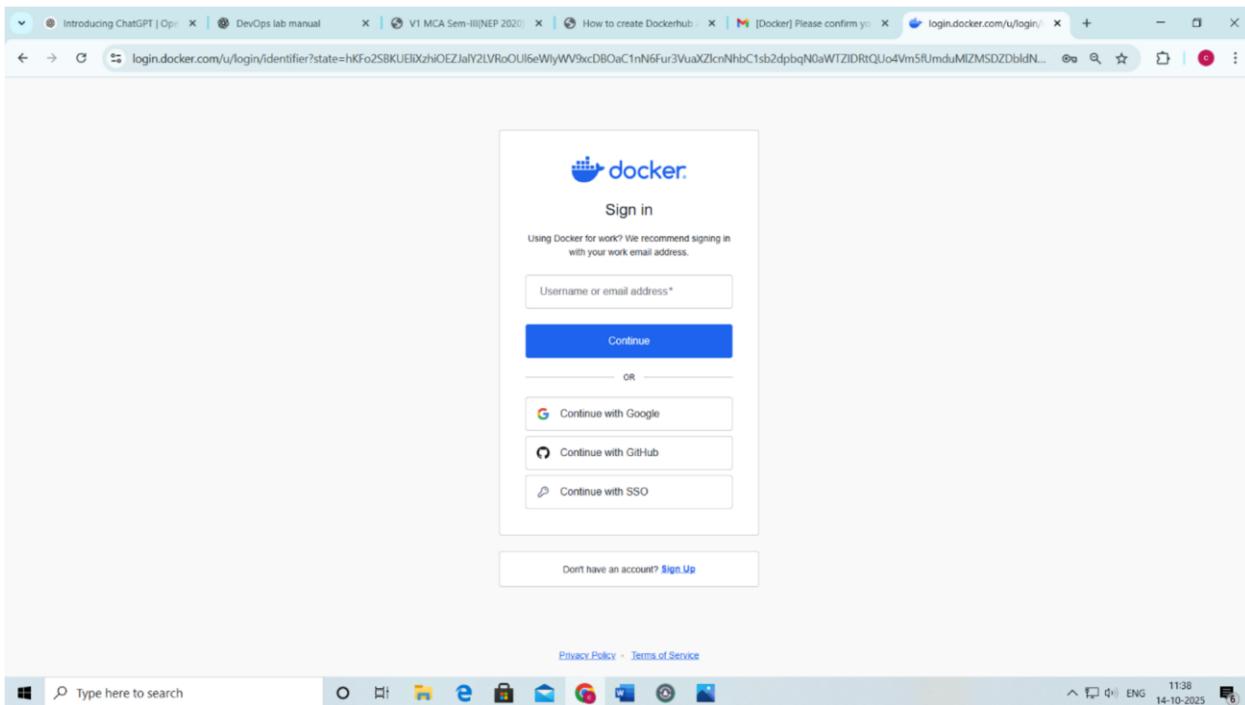
- Open your registered email inbox.
- Find the email from **Docker Hub** with the subject “Verify your email.”
- Click the “Verify Email” button in the email.



*Your Docker Hub account is now activated.*

## Step 6: Log In to Docker Hub

- Return to <https://hub.docker.com>.
- Click on “Sign In.”
- Enter your registered email/username and password.
- Click “Sign In.”



*You will now see your Docker Hub dashboard.*

## Step 7: Explore Your Docker Hub Dashboard

Once logged in, you can:

- View your **profile** and **repositories**
- Create new **repositories** to host images
- Browse **official Docker images**
- Manage **organization and access control**

