

Practical :- 10

Git & Github

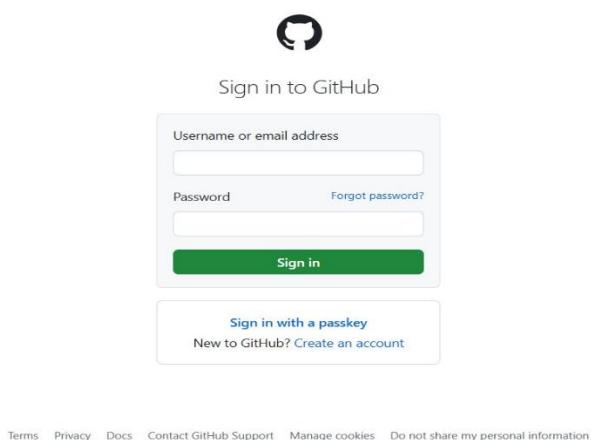
- ❖ **GIT:-** Git is a distributed version control system widely used for tracking changes in source code during software development. It enables multiple developers to collaborate efficiently on projects.
- ❖ **Github:-** GitHub is a web-based platform for hosting and collaborating on Git repositories. It builds upon Git's version control features, offering additional tools like issue tracking, project management, CI/CD integration, and team collaboration.

➤ **Here's a step-by-step guide to creating a GitHub account:-**

Step 1: Visit GitHub

Open your web browser.

Go to the official GitHub website: <https://github.com>.



Step 2: Start the Signup Process

Click on the "Sign up" button (usually at the top-right corner of the page).

Step 3: Fill Out the Signup Form

Enter your Email Address: Provide a valid email address.

Create a Username: Choose a unique username (this will appear in your profile URL).

Create a Password: Enter a secure password.

Click "Continue" to proceed.

Step 4: Verify Your Account

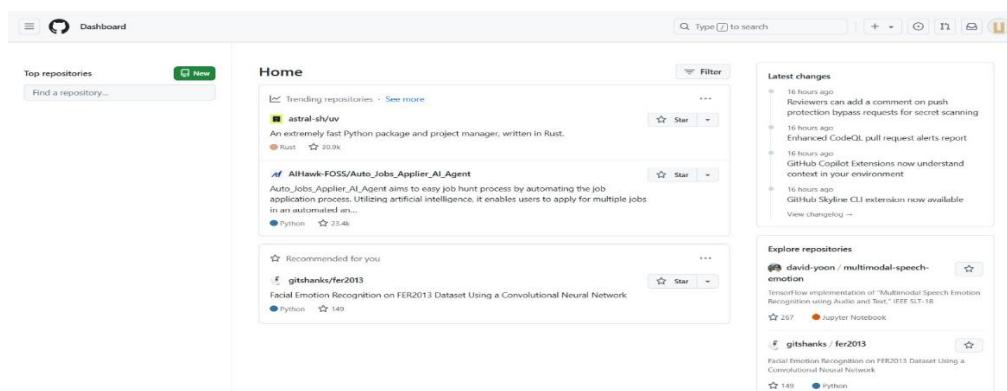
Email Verification:

GitHub will send a confirmation email to the address you provided.

Check your inbox (and spam folder if needed) and click the verification link in the email.

Solve a CAPTCHA: GitHub might ask you to solve a puzzle to confirm you're not a bot.

➤ **After verifying the code you will redirect to the dashboard:-**



Step 5: Start Using GitHub

Explore GitHub features or create your first repository!

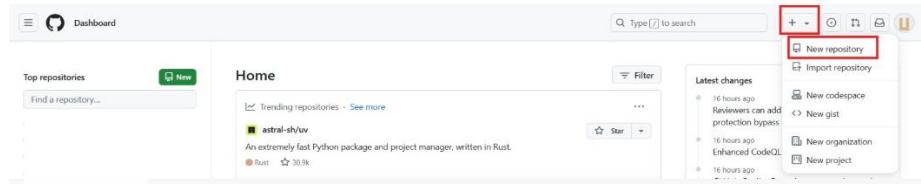
Create a Repository:

Click the "+" icon at the top right and select "New repository".

Name your repository and decide if it will be **public or private**.

Clone a Repository:

Use Git to download a repository locally.



Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere?

[Import a repository](#)

Required fields are marked with an asterisk (*).

Owner *

dollyprajapati

Repository name *

Deep Learning

Your new repository will be created as Deep-Learning.
The repository name can only contain ASCII letters, digits, and the characters ., -, and _.

Great repository names are short and memorable. Need inspiration? How about [psychic-lamp](#) ?

Description (optional)

Public

Anyone on the internet can see this repository. You choose who can commit.

Private

You choose who can see and commit to this repository.

Initialize this repository with:

Add a README file

This is where you can write a long description for your project. [Learn more about READMEs](#).

Add .gitignore

.gitignore template: None

Choose which files not to track from a list of templates. [Learn more about ignoring files](#).

Choose a license

License: None

A license tells others what they can and can't do with your code. [Learn more about licenses](#).

This will set `main` as the default branch. Change the default name in your [settings](#).

① You are creating a public repository in your personal account.

[Create repository](#)

- After create the repository you will redirect to this page

