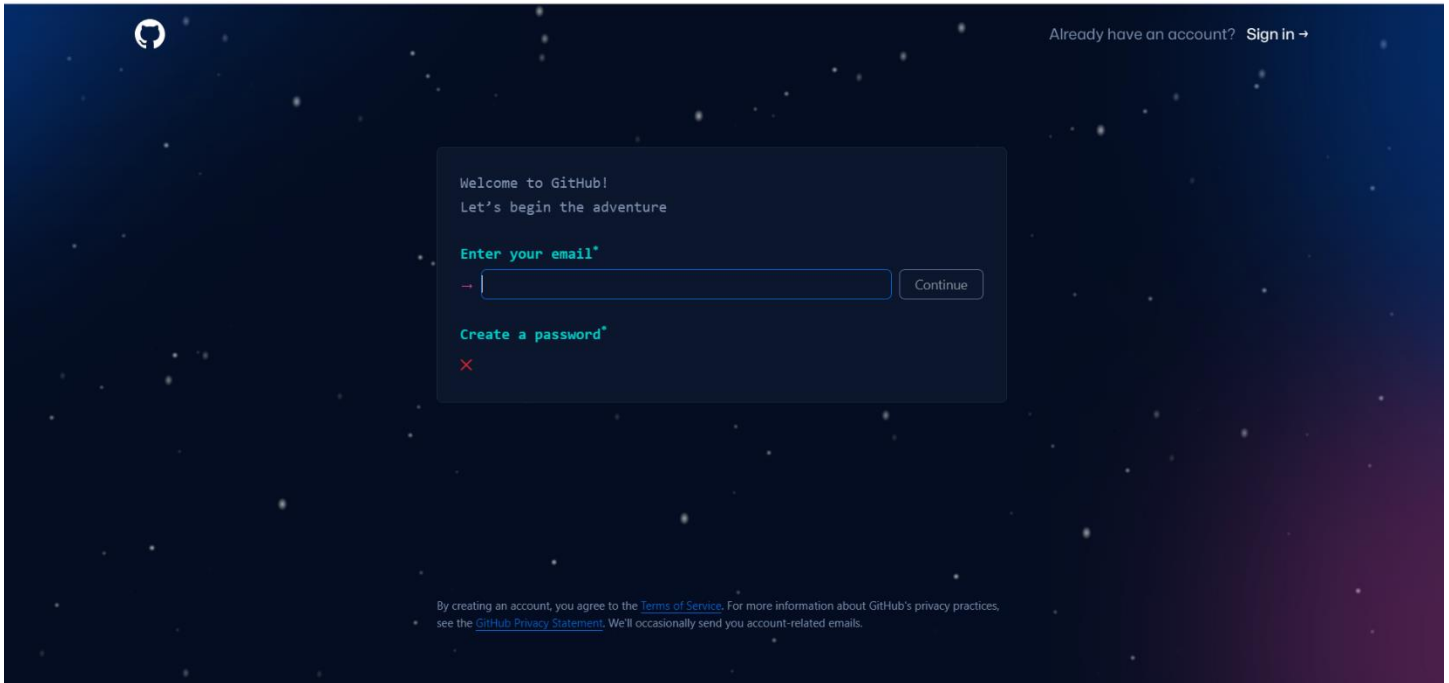
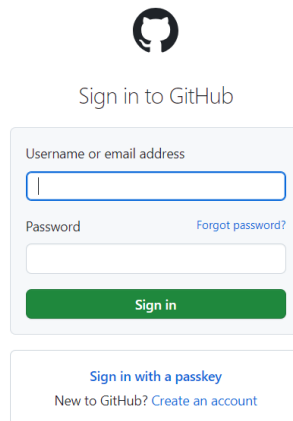


## Set up and configure GitHub Account

Step1: Setting up your GitHub account.



The image shows the GitHub account creation page. At the top left is the GitHub logo. At the top right, it says "Already have an account? [Sign in](#) →". The main content area has a dark blue background with a starry pattern. In the center, there's a white box with the text "Welcome to GitHub! Let's begin the adventure". Below this, there's a form with two sections: "Enter your email\*" and "Create a password\*". The "Enter your email\*" section has a text input field and a "Continue" button. The "Create a password\*" section has a text input field and a red "X" icon. At the bottom, there's a small text block: "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."



The image shows the GitHub sign-in page. At the top center is the GitHub logo. Below it, the text "Sign in to GitHub" is displayed. The main form has a light gray background. It contains two input fields: "Username or email address" and "Password". Below the "Password" field is a link "Forgot password?". At the bottom of the form is a green "Sign in" button. Below the form, there's a section with the text "Sign in with a passkey" and "New to GitHub? [Create an account](#)".

## Step2: Creating an SSH Key and adding it to GitHub.

```
MINGW64/c/Users/HARSHITHA
HARSHITHA@DESKTOP-FGT0VGJ MINGW64 ~
$ ssh-keygen -t rsa -b 4096 -C "ashwathharshitha@gmail.com"
Generating public/private rsa key pair.
Enter file in which to save the key (/c/Users/HARSHITHA/.ssh/id_rsa):
Created directory '/c/Users/HARSHITHA/.ssh'.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /c/Users/HARSHITHA/.ssh/id_rsa
Your public key has been saved in /c/Users/HARSHITHA/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:itgk/jgEmI30zSNV261QvCxIW1Xoqe/aFtvdDGX1ofA ashwathharshitha@gmail.com
The key's randomart image is:
+--[RSA 4096]-----+
|      +...ooo.      |
|      o = ..+o..    |
|    +.. o =oo.o.o . + |
|    *   o ..=.. E o. |
|    ... . S.   o     |
|    ..= . o .   .    |
|    .o o . . + . +   |
|    .o . . + . . o   |
|    ... .+o         |
+-----[SHA256]-----+

HARSHITHA@DESKTOP-FGT0VGJ MINGW64 ~
$ ls .ssh/
id_rsa  id_rsa.pub

HARSHITHA@DESKTOP-FGT0VGJ MINGW64 ~
$ clip < ~/.ssh/id_rsa.pub

HARSHITHA@DESKTOP-FGT0VGJ MINGW64 ~
$ git clone https://github.com/harshithanap/Project1.git
fatal: destination path 'Project1' already exists and is not an empty directory.

HARSHITHA@DESKTOP-FGT0VGJ MINGW64 ~
$ git clone git@github.com:harshithanap/Project1.git
fatal: destination path 'Project1' already exists and is not an empty directory.

HARSHITHA@DESKTOP-FGT0VGJ MINGW64 ~
$ |
```

Settings

harshithanap (harshithanap)  
Your personal account

Go to your personal profile

Public profile

Account

Appearance

Accessibility

Notifications

Access

Billing and plans

Emails

Password and authentication

Sessions

SSH and GPG keys

Organizations

Enterprises

Moderation

Code, planning, and automation

Repositories

Codespaces

SSH keys

New SSH key

This is a list of SSH keys associated with your account. Remove any keys that you do not recognize.

Project3

SHA256:itgk/jgEmI30zSNV261QvCxIW1Xoqe/aFtvdDGX1ofA

Added on Nov 28, 2023

Never used — Read/write

Delete

Check out our guide to [generating SSH keys](#) or troubleshoot [common SSH problems](#).

GPG keys

New GPG key

There are no GPG keys associated with your account.

Learn how to [generate a GPG key and add it to your account](#).

Vigilant mode

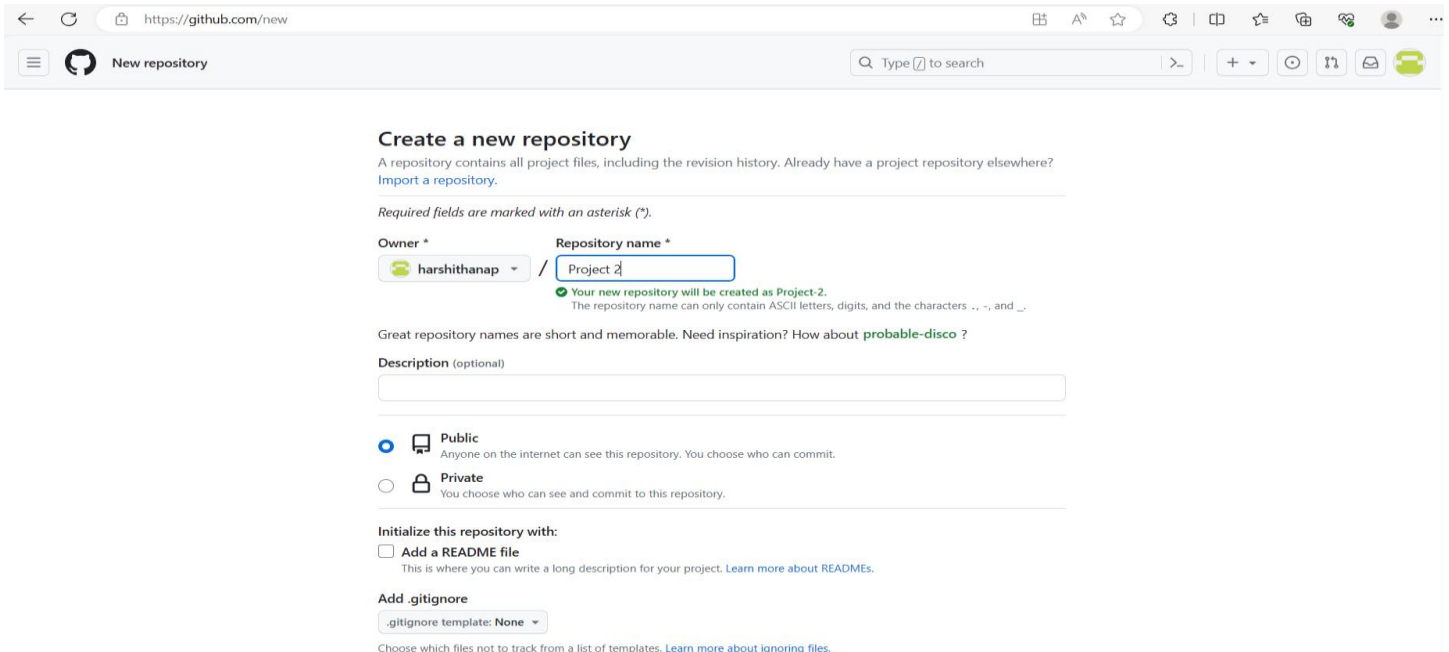
☐ Flag unsigned commits as unverfied

This will include any commit attributed to your account but not signed with your GPG or S/MIME key.

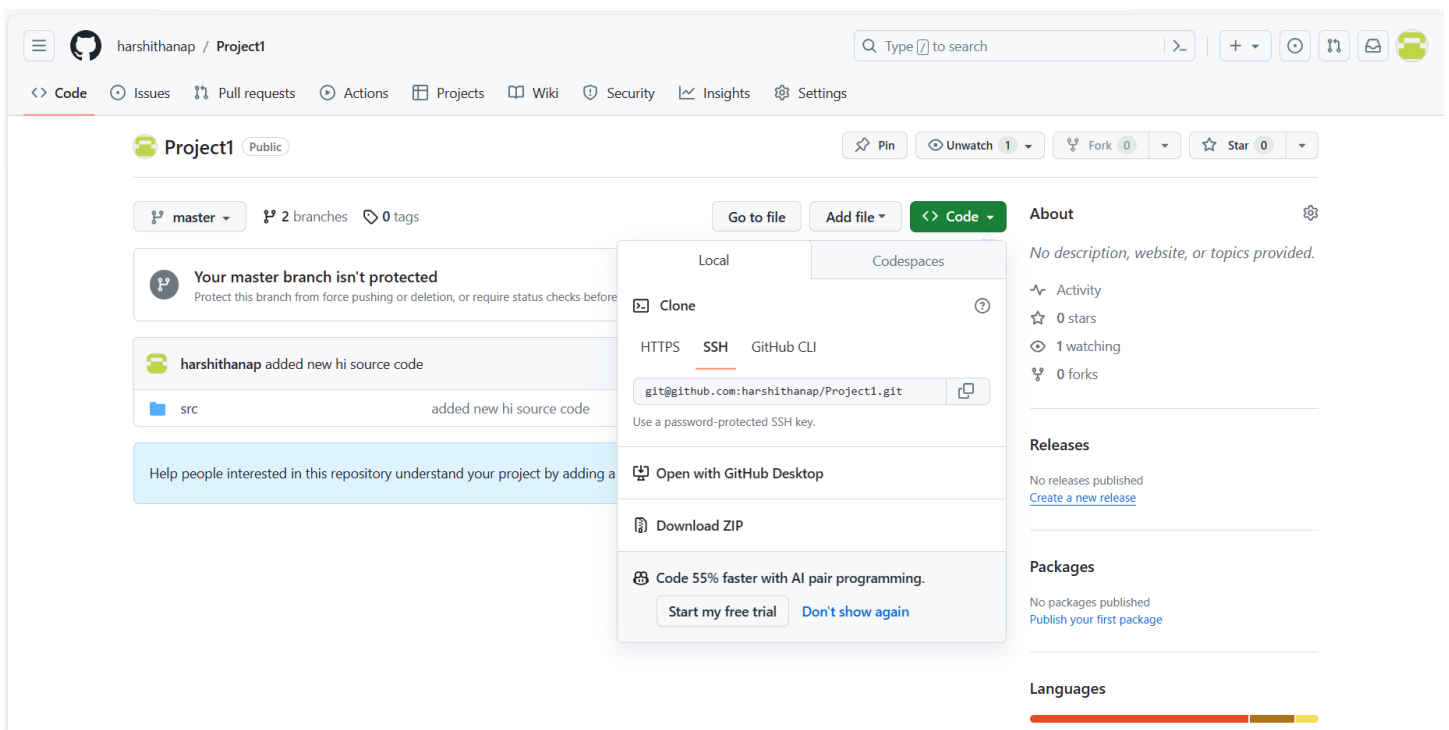
Step3: Logging at local Git to connect with remote GitHub.

```
PS C:\Users\HARSHITHA\Documents\Project test> git config --global user.email "ashwathharshitha0@gmail.com"
PS C:\Users\HARSHITHA\Documents\Project test> git config --global user.name "harshithanap"
PS C:\Users\HARSHITHA\Documents\Project test> git status
```

Step4: Creating a repository in your GitHub account.



The screenshot shows the GitHub 'Create a new repository' page. The browser address bar shows 'https://github.com/new'. The page title is 'Create a new repository'. Below the title, it says 'A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)'. A note states 'Required fields are marked with an asterisk (\*)'. The 'Owner' field is set to 'harshithanap' and the 'Repository name' field is 'Project 2'. A green checkmark indicates 'Your new repository will be created as Project 2. The repository name can only contain ASCII letters, digits, and the characters -, ., and \_.'. Below this, it says 'Great repository names are short and memorable. Need inspiration? How about [probable-disco](#) ?'. The 'Description (optional)' field is empty. The 'Public' radio button is selected, with the text 'Anyone on the internet can see this repository. You choose who can commit.' Below it, the 'Private' radio button is unselected, with the text 'You choose who can see and commit to this repository.'. The 'Initialize this repository with:' section has the 'Add a README file' checkbox unselected, with the text 'This is where you can write a long description for your project. [Learn more about READMEs.](#)'. The 'Add .gitignore' section has the '.gitignore template: None' dropdown selected, with the text 'Choose which files not to track from a list of templates. [Learn more about ignoring files.](#)'.



The screenshot shows the GitHub repository page for 'Project1' by user 'harshithanap'. The repository is public. The page has a navigation bar with links for Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. Below the navigation bar, there are buttons for Pin, Unwatch (1), Fork (0), and Star (0). The main content area shows the 'master' branch with 2 branches and 0 tags. A message states 'Your master branch isn't protected'. Below this, a commit by 'harshithanap' is shown, adding new source code to the 'src' directory. A blue banner at the bottom encourages adding a README. A 'Code' dropdown menu is open, showing options for cloning the repository via Local, Codespaces, HTTPS, SSH, or GitHub CLI. The SSH URL is 'git@github.com:harshithanap/Project1.git'. Other options include 'Open with GitHub Desktop', 'Download ZIP', and 'Code 55% faster with AI pair programming.' with buttons for 'Start my free trial' and 'Don't show again'. The right sidebar contains sections for 'About' (No description, website, or topics provided), 'Activity' (0 stars, 1 watching, 0 forks), 'Releases' (No releases published, Create a new release), 'Packages' (No packages published, Publish your first package), and 'Languages'.