

Placement Empowerment Program

Cloud Computing and DevOps Centre

Deploy your static website using Github Pages :
Host your local Git repository's static website directly
using Github pages

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Introduction

GitHub Pages is a static site hosting service designed to publish your projects directly from a GitHub repository. It allows developers to showcase their work, create personal websites, or host documentation in an efficient, free, and straightforward way.

Step-by-Step Overview

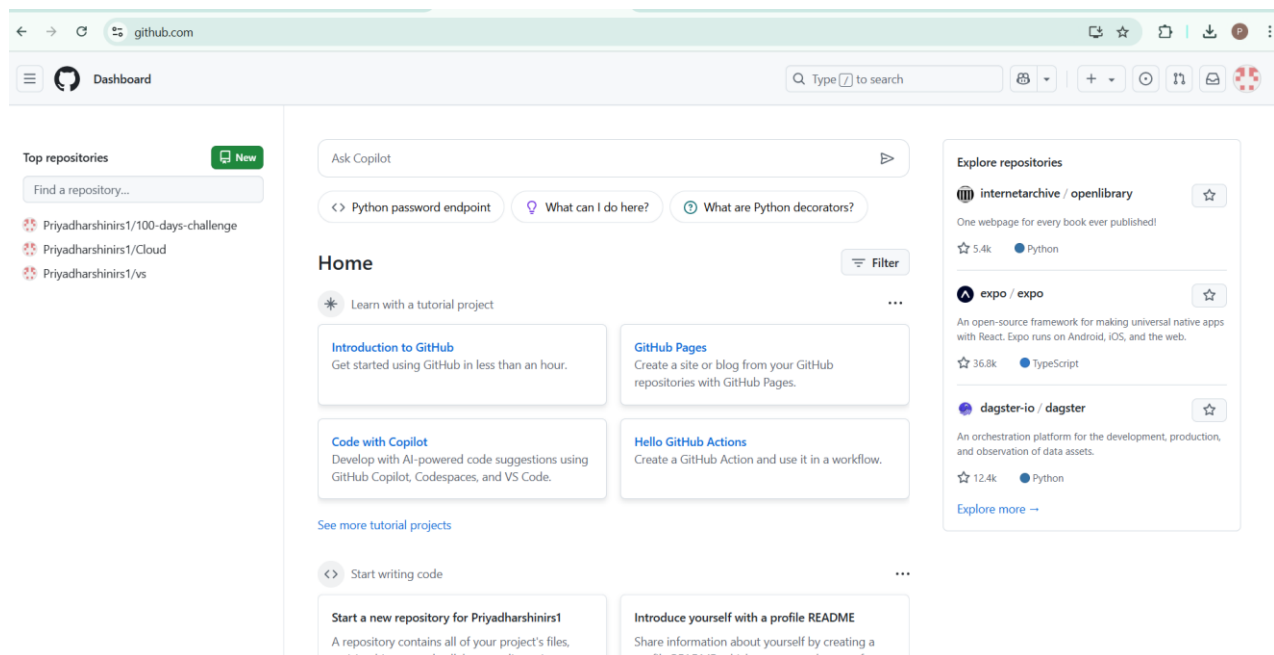
Step 1:

Create a New Repository:

Once you're logged in, click the green **"New"** button on the top-right of your GitHub homepage to create a new repository.

Give your repository a name, for example, my-static-website.

Leave the other settings as default, and click **"Create repository"**.

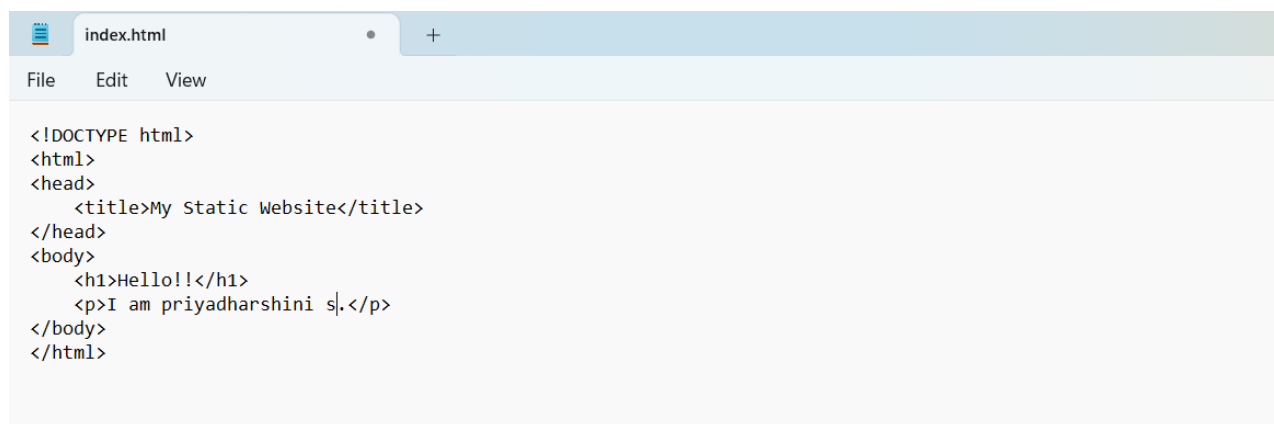


Step 2:

Create a folder (e.g., my-static-website) where you'll keep all your website files.

Inside that folder, create the main file for your website, called **index.html**.

Here's a simple example of what to put in your index.html:

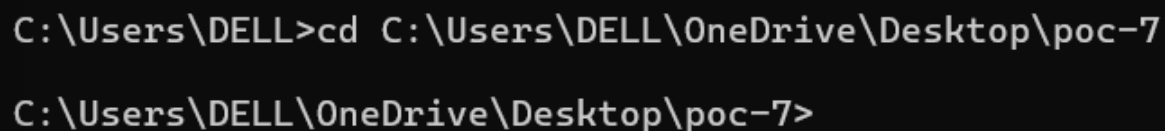
A screenshot of a web browser or text editor window. The title bar says 'index.html'. The menu bar has 'File', 'Edit', and 'View'. The main content area shows the following HTML code:

```
<!DOCTYPE html>
<html>
<head>
  <title>My Static Website</title>
</head>
<body>
  <h1>Hello!!</h1>
  <p>I am priyadharshini s</p>
</body>
</html>
```

Step 3:

Open **Command Prompt** and navigate to the folder where your index.html file is saved.

Use the cd command to navigate.

A screenshot of a Windows Command Prompt window with a black background and white text. It shows the following commands and their output:

```
C:\Users\DELL>cd C:\Users\DELL\OneDrive\Desktop\poc-7
C:\Users\DELL\OneDrive\Desktop\poc-7>
```

Step 4:

Initialize a Git repository by running:

```
C:\Users\DELL\OneDrive\Desktop\poc-7>git init  
Initialized empty Git repository in C:/Users/DELL/OneDrive/Desktop/poc-7/.git/
```

Step 5:

Add your website files to the repository:

```
C:\Users\DELL\OneDrive\Desktop\poc-7>git add .  
  
C:\Users\DELL\OneDrive\Desktop\poc-7>|
```

Step 6:

Save the changes in Git with a commit message:

```
C:\Users\DELL\OneDrive\Desktop\poc-7>git commit -m "Initial commit"  
On branch main  
  
Initial commit  
  
nothing to commit (create/copy files and use "git add" to track)
```

Step 7:

Go to your GitHub repository (the one you created earlier).

Copy the **repository URL**:

In your Command Prompt, link your local repository to the GitHub repository:

```
C:\Users\DELL\OneDrive\Desktop\poc-7>git remote origin https://github.com/Priyadharshinirs1/poc-7.git|
```

Step 8:

Push your files to GitHub:

```
C:\Users\DELL\OneDrive\Desktop\poc-7>git branch -M main  
C:\Users\DELL\OneDrive\Desktop\poc-7>git push -u origin main|
```

Step 9:

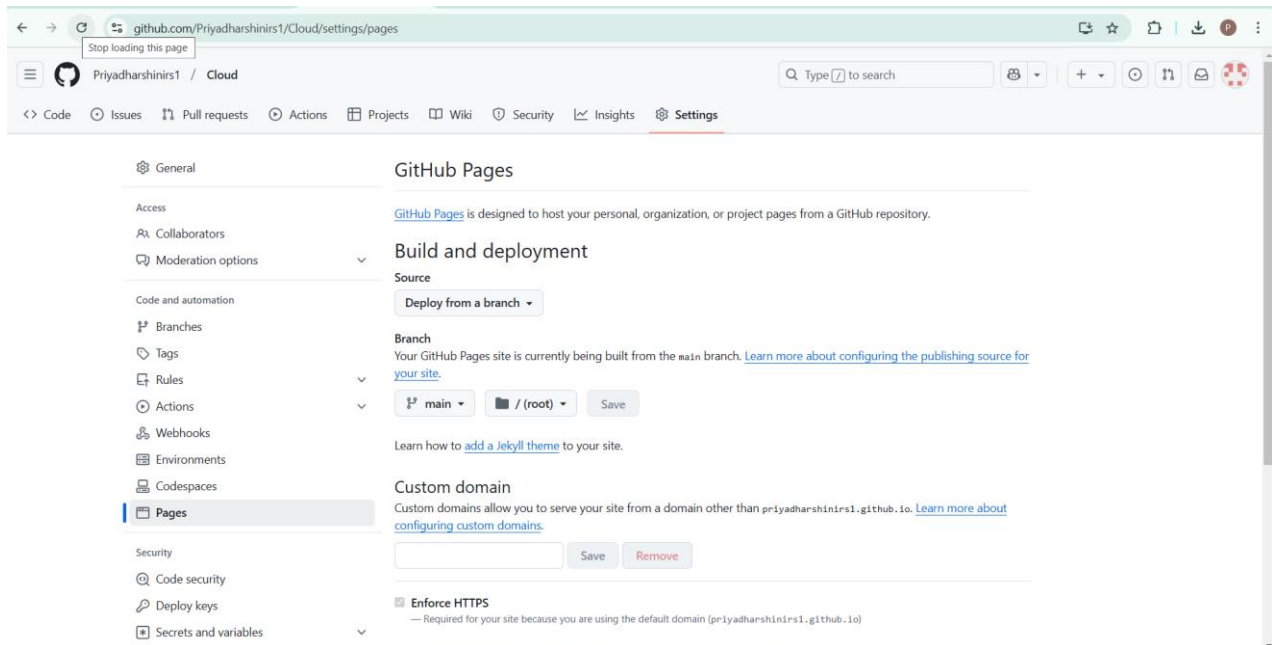
Enable GitHub Pages

1. Go to your repository on GitHub.
2. Click on the **Settings** tab (it's near the top, next to Code, Issues, etc.).
3. Scroll down to the **Pages** section (on the left menu, under "Code and automation").

4. Under **Source**, select:

- **Branch:** main
- **Folder:** / (root)

5. Click **Save**.



Step 10:

Access Your Website

Wait a few minutes for GitHub Pages to deploy your site.

Visit your website at:

<https://<your-username>.github.io/<your-repository>>

github.com/Priyadharshinir1/Cloud/settings/pages

General

Access

Collaborators

Moderation options

Code and automation

Branches

Tags

Rules

Actions

Webhooks

Environments

Codespaces

Pages

Security

Code security

Deploy keys

Secrets and variables

Integrations

GitHub Apps

Email notifications

GitHub Pages

GitHub Pages is designed to host your personal, organization, or project pages from a GitHub repository.

Your site is live at <https://priyadharshinir1.github.io/Cloud/>

Last deployed by Priyadharshinir1 2 minutes ago

Visit site

Build and deployment

Source

Deploy from a branch

Branch

Your GitHub Pages site is currently being built from the main branch. [Learn more about configuring the publishing source for your site.](#)

main / (root) Save

Learn how to [add a Jekyll theme](#) to your site.

Your site was last deployed to the [github-pages](#) environment by the [pages build and deployment](#) workflow. [Learn more about deploying to GitHub Pages using custom workflows](#)

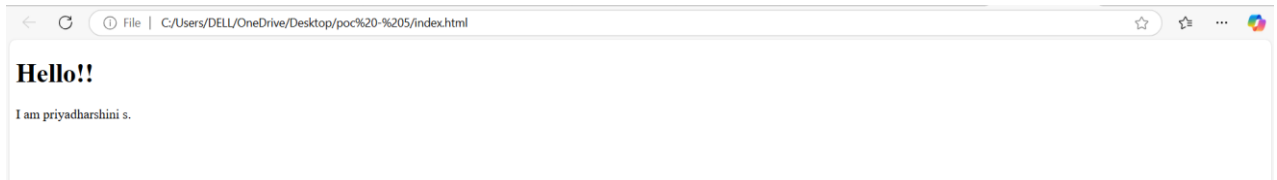
Custom domain

Custom domains allow you to serve your site from a domain other than priyadharshinir1.github.io. [Learn more about configuring custom domains.](#)

Save Remove

Enforce HTTPS

Required for your site because you are using the default domain (priyadharshinir1.github.io)



Outcome

By completing this PoC of deploying a static website using GitHub Pages, you will:

1. Successfully create and configure a GitHub repository for your project.
2. Initialize a Git repository in your local project folder and link it to GitHub.
3. Upload your static website files (HTML, CSS, JavaScript) to GitHub.
4. Enable GitHub Pages in the repository settings to host your static website.
5. Access your static website live on the web via a GitHub Pages URL.
6. Gain hands-on experience with Git commands like `git init`, `git add`, `git commit`, `git remote add`, and `git push`.
7. Understand the process of hosting a static site for free using GitHub Pages.