



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.

Name: Bhavyaa.V

Department: IT



Introduction and Overview

GitHub Pages is a free and simple hosting service that allows developers to deploy static websites directly from a GitHub repository. It is ideal for hosting personal portfolios, project documentation, and landing pages without needing a separate server. By integrating with Git's version control, GitHub Pages ensures easy updates, collaboration, and automatic deployment. This makes it a powerful tool for developers and students looking to showcase their work online efficiently.

Objective

The goal of this project is to:

- **To host a static website for free** with minimal setup, making it accessible to anyone online.
- **To leverage GitHub for version control** and easy updates, ensuring seamless collaboration and maintenance.

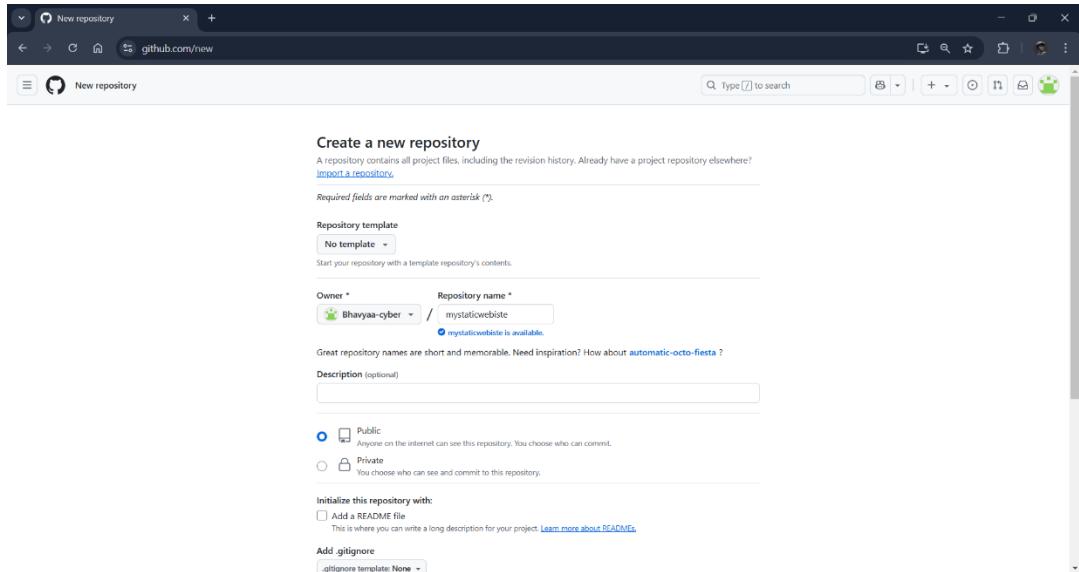
Importance

- **Free & Easy Hosting** – GitHub Pages provides a free and reliable way to host static websites without any server setup.
- **Version Control & Collaboration** – With Git, you can track changes, roll back updates, and collaborate with others effortlessly.
- **Custom Domains & Branding** – You can link a custom domain to make your site look professional.

Step-by-Step Overview

Step 1: Create a GitHub Repository

1. Go to [GitHub](#) and log in.
2. Click on **New Repository** (+ sign in the top-right corner).
3. Enter a **Repository Name** (e.g., my-website).
4. Choose **Public** (so GitHub Pages can host it).
5. Check **Add a README file** (optional).
6. Click **Create Repository**.



Step 2: Upload Your Website Files

If you have Git installed, follow these steps:

1. Initialize Git in your project folder:

```
git init
```

```
git add .
git commit -m "Initial commit"
```

2. Connect to GitHub:

```
git branch -M main
git remote add origin
https://github.com/YOUR_USERNAME/my-website.git
git push -u origin main
```

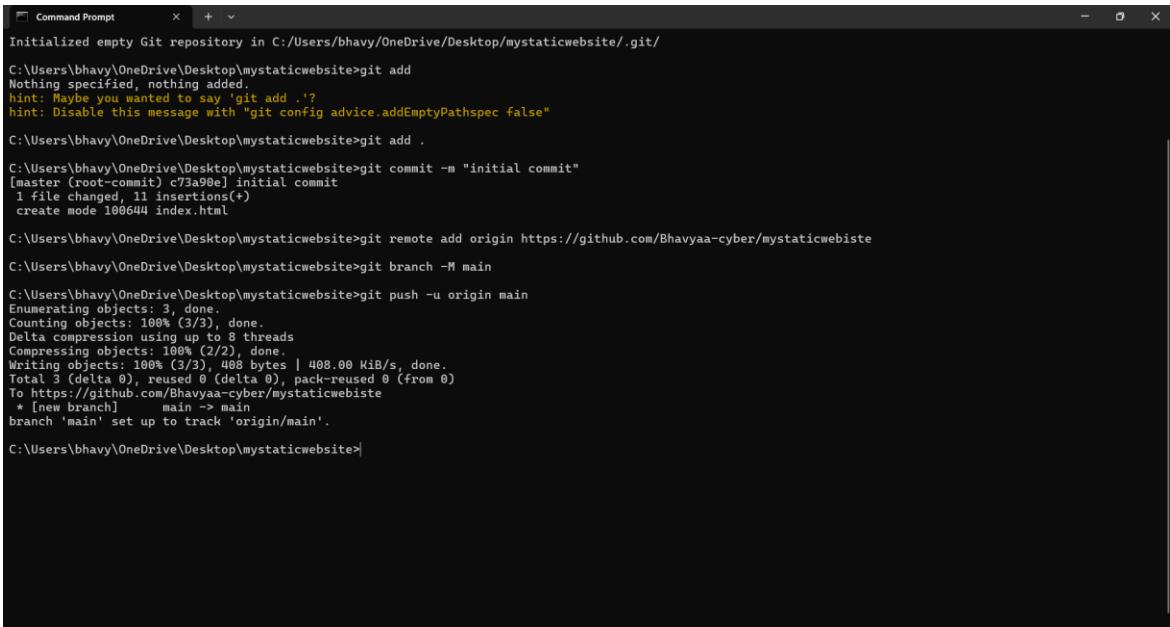
Step 3: Enable GitHub Pages

1. Go to your repository on GitHub.
2. Click **Settings** (top-right).
3. In the left menu, click **Pages**.
4. Under **Branch**, select `main` and `/ (root)`.
5. Click **Save**.

Step 4: Access Your Website

After a few minutes, your website will be live at:

https://YOUR_USERNAME.github.io/my-website/



```
Command Prompt
Initialized empty Git repository in C:/Users/bhavy/OneDrive/Desktop/mystaticwebsite/.git/
C:\Users\bhavy\OneDrive\Desktop\mystaticwebsite>git add .
Nothing specified, nothing added.
hint: Maybe you wanted to say 'git add .'
hint: Disable this message with "git config advice.addEmptyPathspec false"
C:\Users\bhavy\OneDrive\Desktop\mystaticwebsite>git add .
C:\Users\bhavy\OneDrive\Desktop\mystaticwebsite>git commit -m "initial commit"
[master (root-commit) c73a90e] initial commit
 1 file changed, 11 insertions(+)
 create mode 100644 index.html
C:\Users\bhavy\OneDrive\Desktop\mystaticwebsite>git remote add origin https://github.com/Bhavyaa-cyber/mystaticwebiste
C:\Users\bhavy\OneDrive\Desktop\mystaticwebsite>git branch -M main
C:\Users\bhavy\OneDrive\Desktop\mystaticwebsite>git push -u origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 8 threads.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 408 bytes | 408.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Bhavyaa-cyber/mystaticwebiste
 * [new branch]    main -> main
branch 'main' set up to track 'origin/main'.
C:\Users\bhavy\OneDrive\Desktop\mystaticwebsite>
```

Expected Outcome

By completing this POC, you will:

- **Your static website will be hosted online at:**

https://YOUR_USERNAME.github.io/my-website/

- **Any updates you push to the repository** will automatically reflect on your live site.
- **You will have a version-controlled website**, making it easy to manage and collaborate.