

Deploy Your Portfolio for FREE with GitHub Pages

A beginner-friendly guide to deploying an HTML/CSS/JavaScript portfolio using GitHub Pages.

1. Create Your Portfolio

First, keep your portfolio website ready. For a simple portfolio, your project can look like this:

```
portfolio/  
■■■ index.html
```

If you have separate files:

```
portfolio/  
■■■ index.html  
■■■ style.css  
■■■ script.js  
■■■ assets/
```

Important: Your main page file should be named **index.html**.

2. Create a GitHub Account

Open GitHub and create an account if you don't already have one. After signing in, open your GitHub profile.

3. Create a New Repository

Click **New repository**. Give your repository a name, for example:

```
my-portfolio
```

Keep the repository **Public**, then click **Create repository**.

4. Upload Your Portfolio

Open your new repository and select **Add file** → **Upload files**. Upload your portfolio files and then click **Commit changes**.

```
Example files:  
index.html  
style.css  
script.js  
assets/
```

5. Open Repository Settings

Inside the repository, click **Settings**.

6. Open GitHub Pages

In the left sidebar, find and open **Pages**. You will see the **Build and deployment** section.

7. Select Your Branch

Under Source, select **Deploy from a branch**. Then choose:

```
Branch: main  
Folder: /(root)
```

Click **Save**.

8. Wait for Deployment

GitHub will build and publish your website. After deployment finishes, the Pages section will show your live website URL.

```
Example:  
https://yourusername.github.io/my-portfolio/
```

That's it — your portfolio is live for free!

9. Why Are We Using Vercel?

GitHub Pages is excellent for simple static websites. But when you start working with modern frontend applications and projects that change frequently, Vercel gives you a more convenient deployment workflow.

Why use Vercel?

Easy deployment: Connect your GitHub repository and Vercel can deploy the project for you.

Automatic deployments: When you push new code to GitHub, Vercel can automatically create a new deployment.

Modern framework support: Vercel works well with modern frontend frameworks such as React and Next.js.

Preview deployments: You can review changes in a preview environment before making them your production version.

Custom domains: You can connect a custom domain such as abhayguptadev.com.

Professional workflow: A common flow is GitHub → Vercel → Automatic Deployment.

GitHub Pages vs Vercel

GitHub Pages	Vercel
Simple static hosting	Modern deployment platform
Great for HTML/CSS/JS	Great for modern frontend projects
Simple GitHub-based setup	GitHub integration + automatic deployments
Good for a basic portfolio	Useful for frequently updated projects

Simple rule: If you need a basic HTML/CSS/JS portfolio online quickly, GitHub Pages is a simple choice. If you want GitHub-connected automatic deployments and a modern frontend deployment workflow, Vercel is useful.

10. Common Problems

Website not opening? Check that the file is exactly **index.html**. Also confirm the repository is Public and GitHub Pages is configured with **main** and **/ (root)**.

CSS or images not loading? Check file paths. For example: `href="style.css"` and `src="assets/profile.png"`.

404 error? Go to **Settings** → **Pages** and confirm the deployment source and branch settings.

11. Share Your Portfolio

Once your website is live, you can add the URL to your resume, LinkedIn, Instagram bio, X/Threads profile and job applications.

Final Takeaway

Today: Deploy your portfolio with GitHub Pages.

Tomorrow: Deploy the same portfolio with Vercel and understand the difference.

Created for the GitHub Portfolio Deployment guide

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