

GitHub Setup Steps

1. Create a New GitHub Repository

- Log in to <https://github.com>
- Click "New Repository"
- Enter a name
- Do not add a README (optional)
- Click "Create Repository"

2. Prepare Your Local Project Directory

In your terminal or PowerShell:

```
cd /path/to/your/project
```

```
git init
```

Recommended .gitignore entries:

```
node_modules/
```

```
.env
```

3. Connect Local Directory to GitHub

Copy the HTTPS repository URL, then run:

```
git remote add origin https://github.com/USERNAME/REPO.git
```

Verify:

```
git remote -v
```

4. Stage and Commit Files

```
git add .
```

```
git commit -m "Initial commit"
```

5. Push Code to GitHub

```
git branch -M main
```

`git push -u origin main`

6. Daily Workflow

- Save all changes: `git add .`
- Commit changes: `git commit -m "message"`
- Push updates: `git push`
- Pull updates: `git pull`

7. Optional Authentication Setup

HTTPS with Personal Access Token:

<https://github.com/settings/tokens>

OR use SSH keys:

`ssh-keygen -t ed25519`

`cat ~/.ssh/id_ed25519.pub`

(Add key to GitHub → Settings → SSH and GPG Keys)