

NeuroByte Society *Git & GitHub Workshop*

Empowering Tech Learners | Building Ethical AI |
Transforming Futures

Icebreaker 🎮



- Git & GitHub: Superpowers for Developers.
- Raise your hand if you've ever lost a file named 'final_final_last_version(2).docx' 😅
- That's why Git exists!



“Think of Git as Google Drive for your code — but smarter!”

What is Git?

Git = A time machine for code 

Helps you:

- ✓ Save different versions of your work
- ✓ Go back in time if you make a mistake
- ✓ Work together without overwriting each other



“Think of Git as Google Drive for your code — but smarter!”

What is GitHub? 🌍



GitHub = A social network for coders + storage for your Git projects

You can:

- ✓ Share projects
- ✓ Collaborate with friends
- ✓ Show off skills to employers



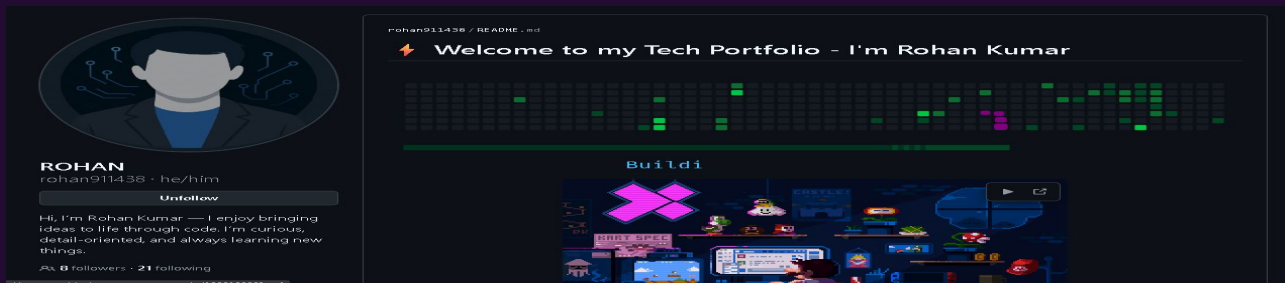
Why Use GitHub?



- 🚀 **Portfolio** – Show your projects to the world
- 🤝 **Collaboration** – Work with friends & global community
- 📚 **Learning** – Explore real open-source projects
- 💼 **Jobs & Internships** – Recruiters check GitHub profiles
- 🏆 **Opportunities** – Hackathons, contributions, networking

👉 *“GitHub = LinkedIn for Developers, but better!”*





Benefits of a GitHub Profile 🎉

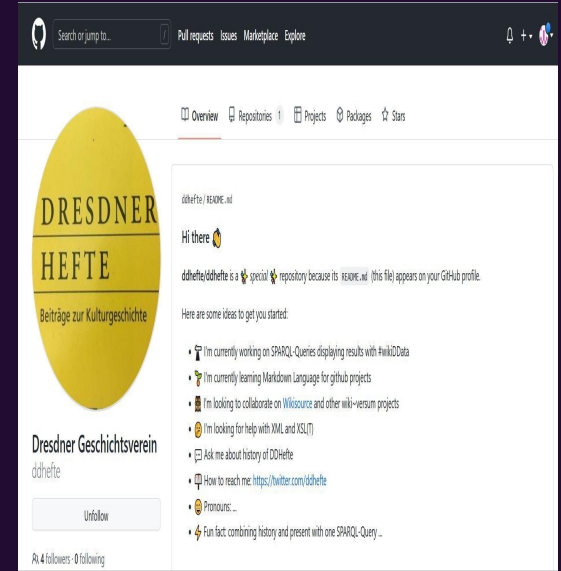


- 📁 **Your Projects = Your Resume** Example GitHub Profile
- 🌐 **Global Connections** – Collaborate with devs worldwide
- 🏆 **Open Source Credibility** – Show you can contribute
- 💡 **Hackathons & Learning** – Join coding events, grow faster
- 💼 **Career Boost** – More visibility for jobs & internships

👉 *Your GitHub is your personal brand. Build it today!*



How to Make Your GitHub Profile

- 1 Go to github.com → Sign Up 
- 2 Pick a username (keep it professional!)
- 3 Add a profile picture & bio
- 4 Create your first repository 
- 5 Add a README.md → acts like your CV 
- 6 Pin your best projects 



👉 Challenge: Create your GitHub profile today & share it with NeuroByte Society 

Using Git & GitHub Together

-  **Git = Local tool** → saves versions of code on your computer
-  **GitHub = Online hub** → stores your code in the cloud & lets you share

IN CASE OF FIRE 

 1. git commit

 2. git push

 3. git out!



👉 “Git is your notebook, GitHub is your library 

Live Demo: Your First GitHub Repo ⚡

1 Create a Repository on GitHub

- Name it hello-world
- Add a README

2 Clone it

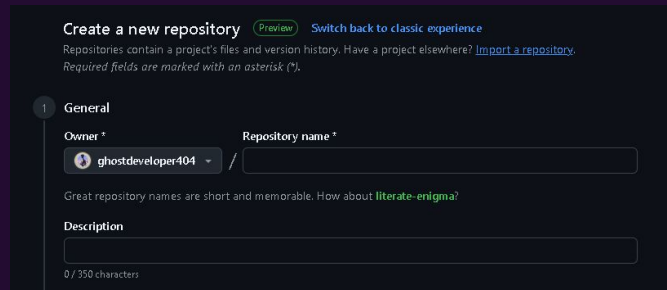
- `git clone <repo link>`

3 Make a Change & Commit

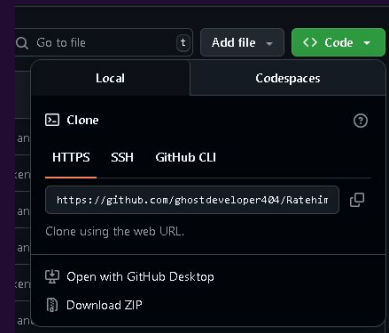
- `git add .`
- `git commit -m "My first commit 🚀"`

4 Push to GitHub

- `git push origin main`



The screenshot shows the 'Create a new repository' form on GitHub. At the top, there are links for 'Preview' and 'Switch back to classic experience'. Below this is a note: 'Repositories contain a project's files and version history. Have a project elsewhere? [Import a repository.](#) Required fields are marked with an asterisk (*).' The form has a 'General' tab selected. It contains fields for 'Owner *' (set to 'ghostdeveloper404'), 'Repository name *' (empty), and 'Description' (empty). A character count '0 / 350 characters' is shown at the bottom of the description field.

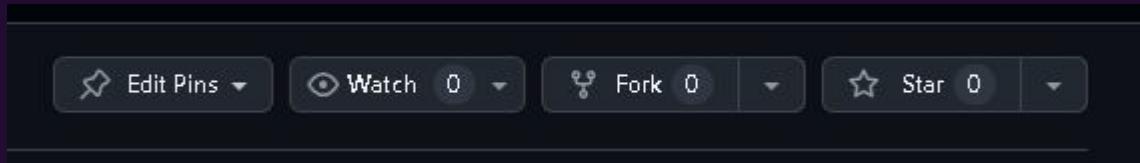


👉 "By the end of this workshop, you'll have your first GitHub repo live!"

Collaborate with GitHub 🤝



Main Points (Final Sequence):



0 Fork Repo 🍴

👉 Click **Fork** button on GitHub

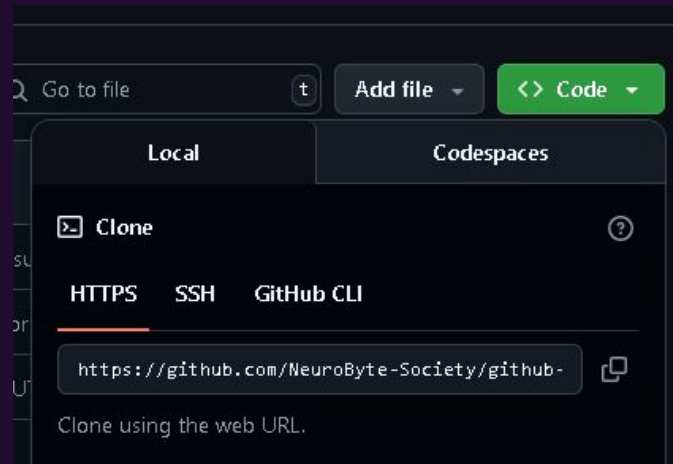
💬 “Fork ka matlab hai original repo ki ek *copy* apne account me banana — jaise khud ka duplicate notebook jisme aaram se likh-sako, bina teacher ke master notebook ko bigaade 😊.”

Collaborate with GitHub 🤝



Main Points (Final Sequence):

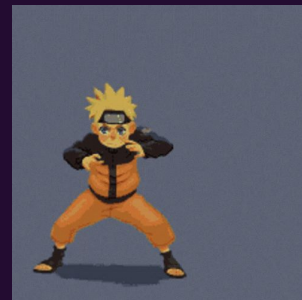
```
_ENOV0@DESKTOP-V0SR7GP MINGW64 ~  
$ git clone https://github.com/NeuroByte-Society/github-workshop-2025.git
```



1 Clone Repo 📄

👉 Command: `git clone <forked-repo-url>`

💬 “Repo ko apne laptop pe kheench lo!”

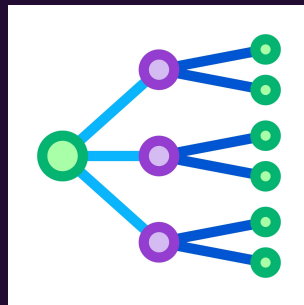


Collaborate with GitHub 🤝



Main Points (Final Sequence):

```
ENOVO@DESKTOP-V0SR7GP MINGW64 ~  
git checkout -b my-branch
```



2 Create Branch 🌿

👉 Command: `git checkout -b my-branch`

💬 “Apna alag playground banao, main ground ko bigaado mat!”

Collaborate with GitHub 🤝



Main Points (Final Sequence):

```
▼ # 🌟 Hi, I'm student-1-username

- 🧑 I'm learning Git & GitHub
- 🚀 This is my submission for the workshop
```

③ Make Changes ✍️



Add your profile / edit file



“Thoda apna talent dikhao – file edit karo!”

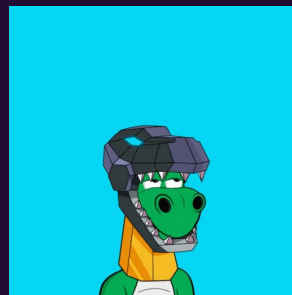


Collaborate with GitHub 🤝



Main Points (Final Sequence):

alpha sword snapshot



Command:



Saare changes ko staging area me bhejo (like packing items in a box 📦)."
`git add .`

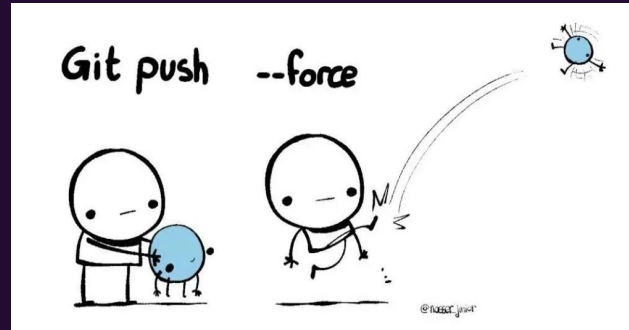
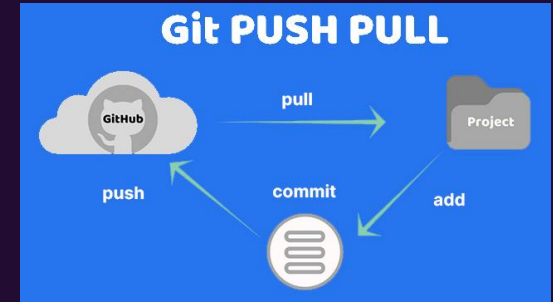
Us box pe label chipka do ki andar kya hai (message ke form me 🏷️).
`git commit -m "My profile added"`



"Apne kaam ka snapshot save kar lo."

Collaborate with GitHub 🤝

🎤 Main Points (Final Sequence):



5 Push Branch 🚀

👉 Command:

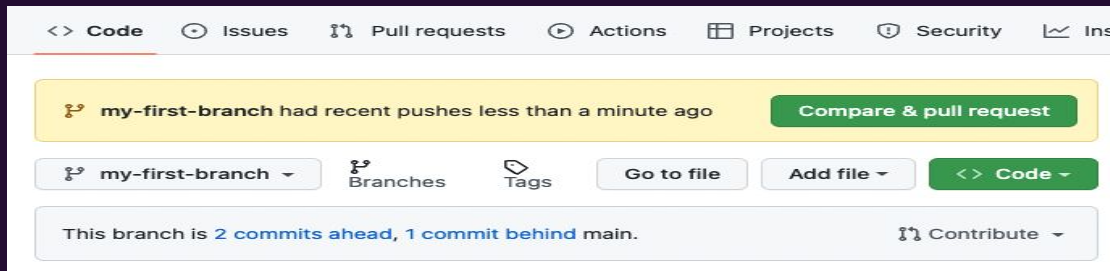
```
git push origin my-branch
```

💬 “Ab apna kaam GitHub space me bhej do!”

Collaborate with GitHub 🤝



Main Points (Final Sequence):



6 Pull Request (PR) ✉️





👉 Go to GitHub → Click “**Compare & pull request**”

💬 “Team ko bolo: ‘Boss, maine kaam kar diya!’”



Fun Challenge 🎮



◆ Challenge Tasks

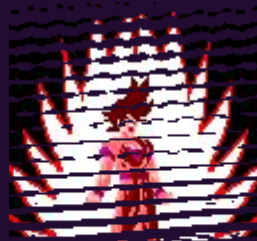
-  **Step 1:** Create your first GitHub repo today
-  **Step 2:** Add a README with your name & one fun fact
-  **Step 3:** Customize your GitHub profile (bio + profile pic)
-  **Bonus:** Share your repo link in the NeuroByte Society group 🚀








◆ Rewards

-  Shoutout during next workshop
-  Your repo pinned on our GitHub org

👉 *“Complete the challenge → Level Up → Become a GitHub Hero 🦸”*

Extra Superpowers with Git & GitHub



-  **Collaboration** → Work with anyone, anywhere
-  **Open Source** → Contribute to real-world projects
-  **Portfolio** → GitHub = Your living CV
-  **Career Growth** → Recruiters actually check GitHub
-  **Problem Solving** → Learn by doing, debugging, fixing
-  **GitHub Pages** → Free website hosting in minutes
-  **GitHub Copilot** → AI buddy that helps you code faster



👉 “Unlock these powers by practicing Git & GitHub daily!”

Thank You 🚀



🎓 *“Git & GitHub are your superpowers — use them daily!”*

🤝 *Join NeuroByte Society → Learn, Build, Share.*

📢 *Stay connected: GitHub • LinkedIn • WhatsApp group*