MAHESH DEVSPACE

# GIT & GITHUB & OPEN SOURCE

PRESENTATION

NOVEMBER, 2022

Dev Communitech

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PROTFOLIO
maheshwaran.me

# MAHESHWARAN

WEB DEVELOPER & CLOUD ENTHUSIAST

# AGENDA-1

- What is git and github?
- Using Git
- Installing Git & create GitHub Account
- Some Basic Linux Commands
- Initializing A Git Repository
- [$staging The First Change
- $Commiting The First Change]

# AGENDA-2

Starting Github

Creating A New Repository On GitHub

Connecting Remote Repository To Local Repository

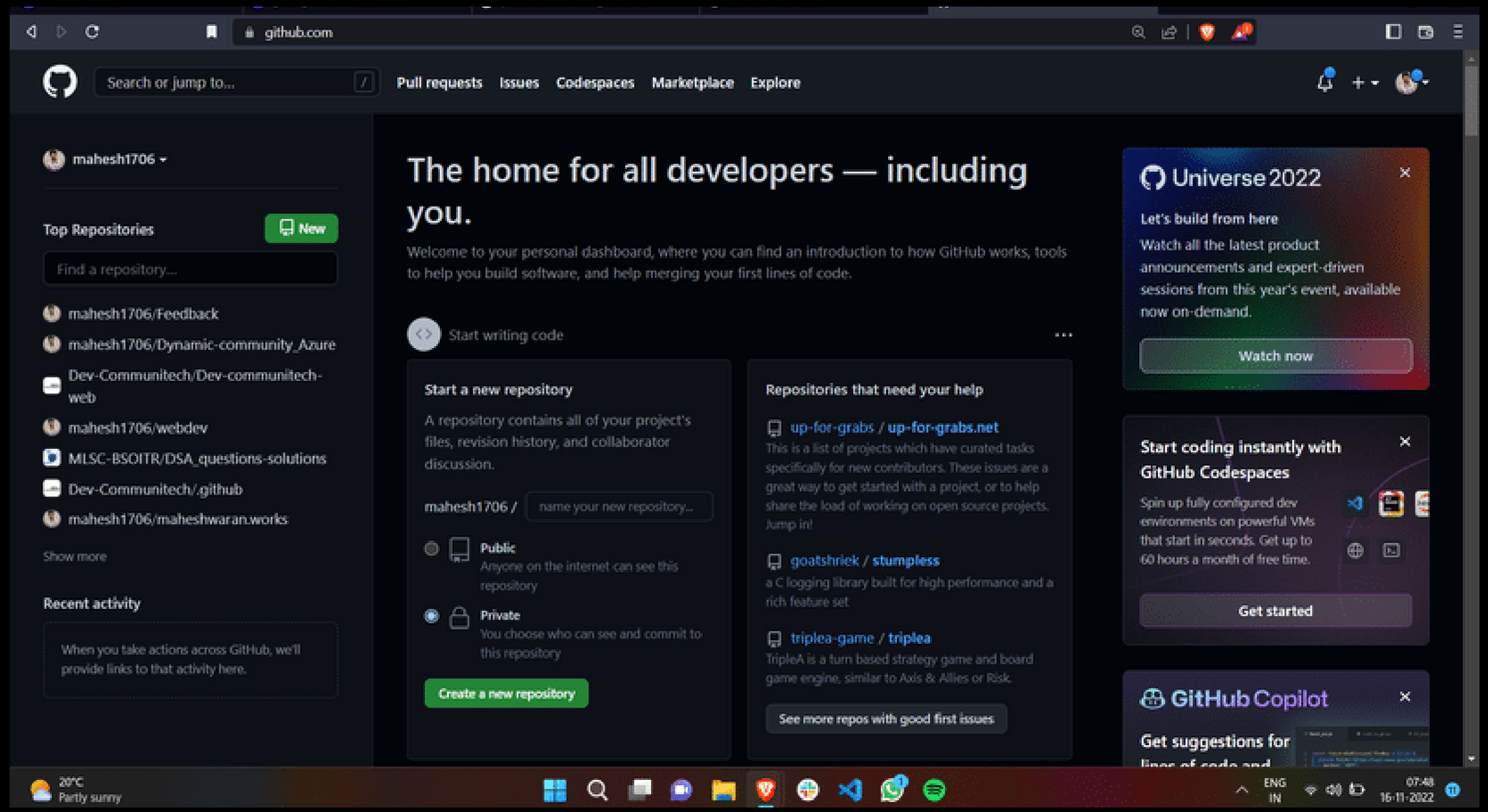
what is Branch

Workshop Live...

# OPEN-SOURCE

Open source is a term denoting that a product includes permission to use its source code, design documents, or content. It most commonly refers to the open source model, in which open source software or other products are released under an open source license as part of the open source-software movement. Use of the term originated with software, but has expanded beyond the software sector to cover other open content and forms of open collaboration.

# GitHub




# CMD & CLI

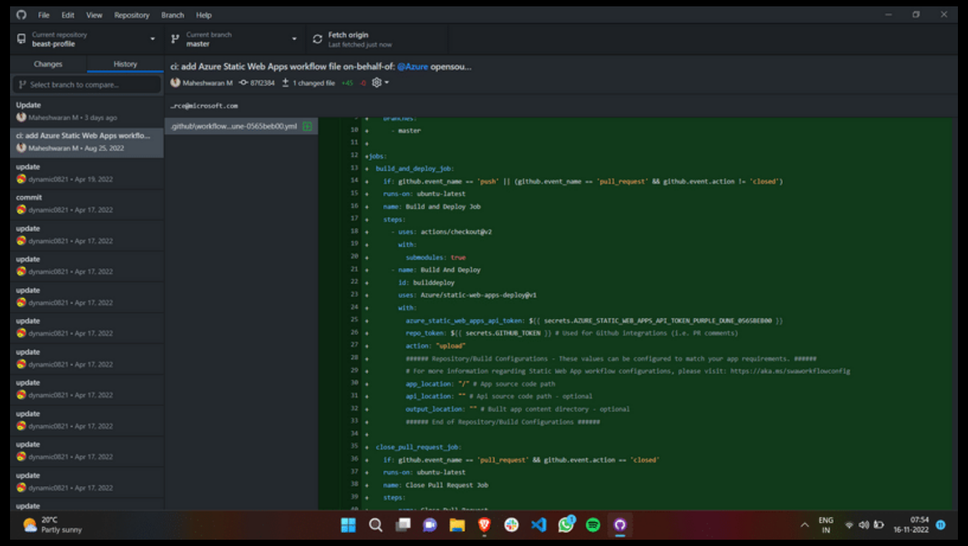
# GITHUB UI DESKTOP

# WITH IDE LIKE VSCODE

# GitHub

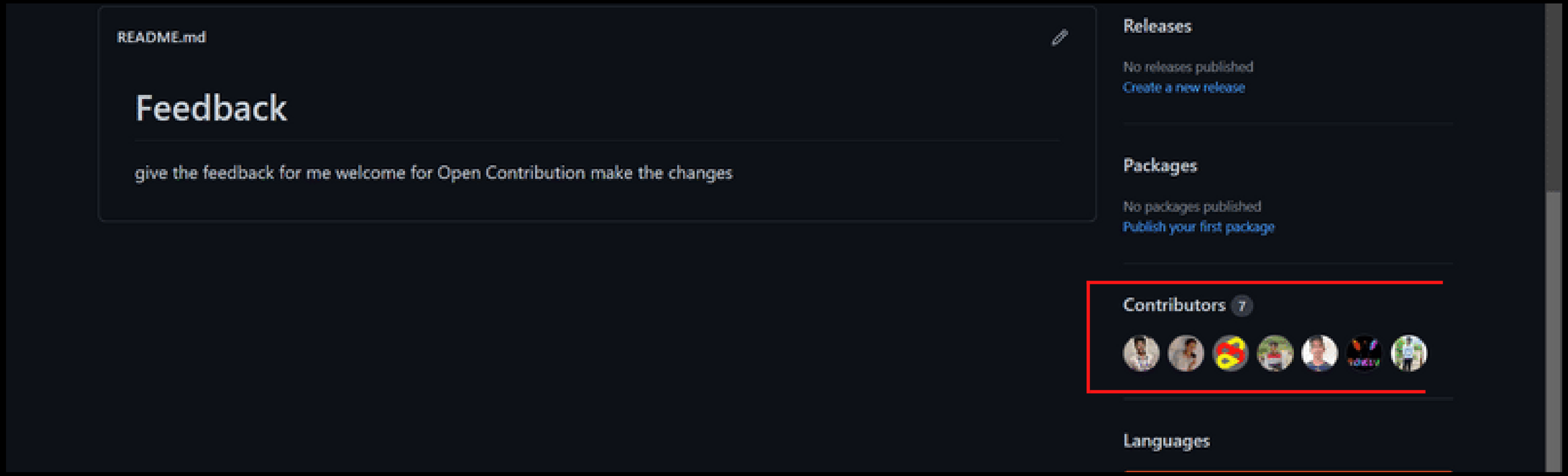
```
MINGW64:/c/Users/immah/OneDrive/Desktop

immah@Mahesh_devspace MINGW64 ~/OneDrive/Desktop
$ touch mahesh.txt

immah@Mahesh_devspace MINGW64 ~/OneDrive/Desktop
$ git status
fatal: not a git repository (or any of the parent directories): .git

immah@Mahesh_devspace MINGW64 ~/OneDrive/Desktop
$ ls .git
ls: cannot access '.git': No such file or directory

immah@Mahesh_devspace MINGW64 ~/OneDrive/Desktop
$ gi tinit
bash: gi: command not found

immah@Mahesh_devspace MINGW64 ~/OneDrive/Desktop
$ git init
Initialized empty Git repository in C:/Users/immah/OneDrive/Desktop/.git/

immah@Mahesh_devspace MINGW64 ~/OneDrive/Desktop (master)
$ lls .git
bash: lls: command not found

immah@Mahesh_devspace MINGW64 ~/OneDrive/Desktop (master)
$ ls .git
HEAD  config  description  hooks/  info/  objects/  refs/

immah@Mahesh_devspace MINGW64 ~/OneDrive/Desktop (master)
$
```

CLI




UI

# GitHub



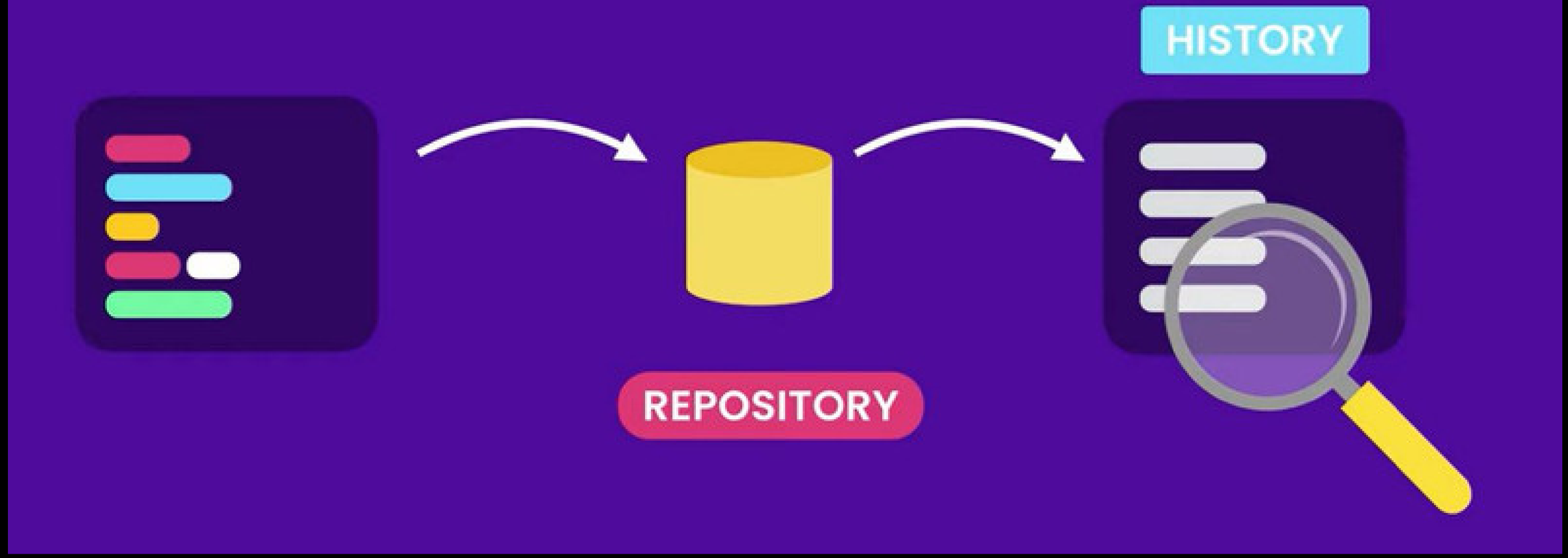

It Shows The Contributor's

# Git

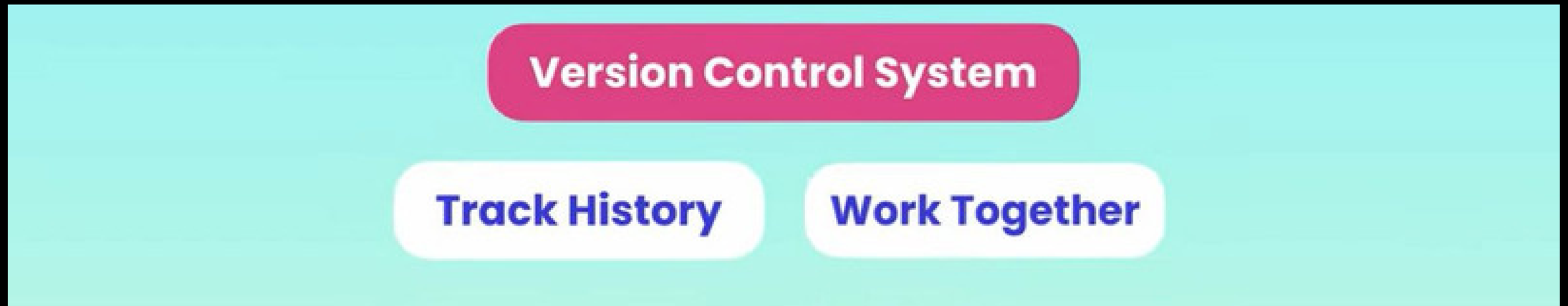
Git is free and open source software for distributed version control: tracking changes in any set of files, usually used for coordinating work among programmers collaboratively developing source code during software development.

# GitHub

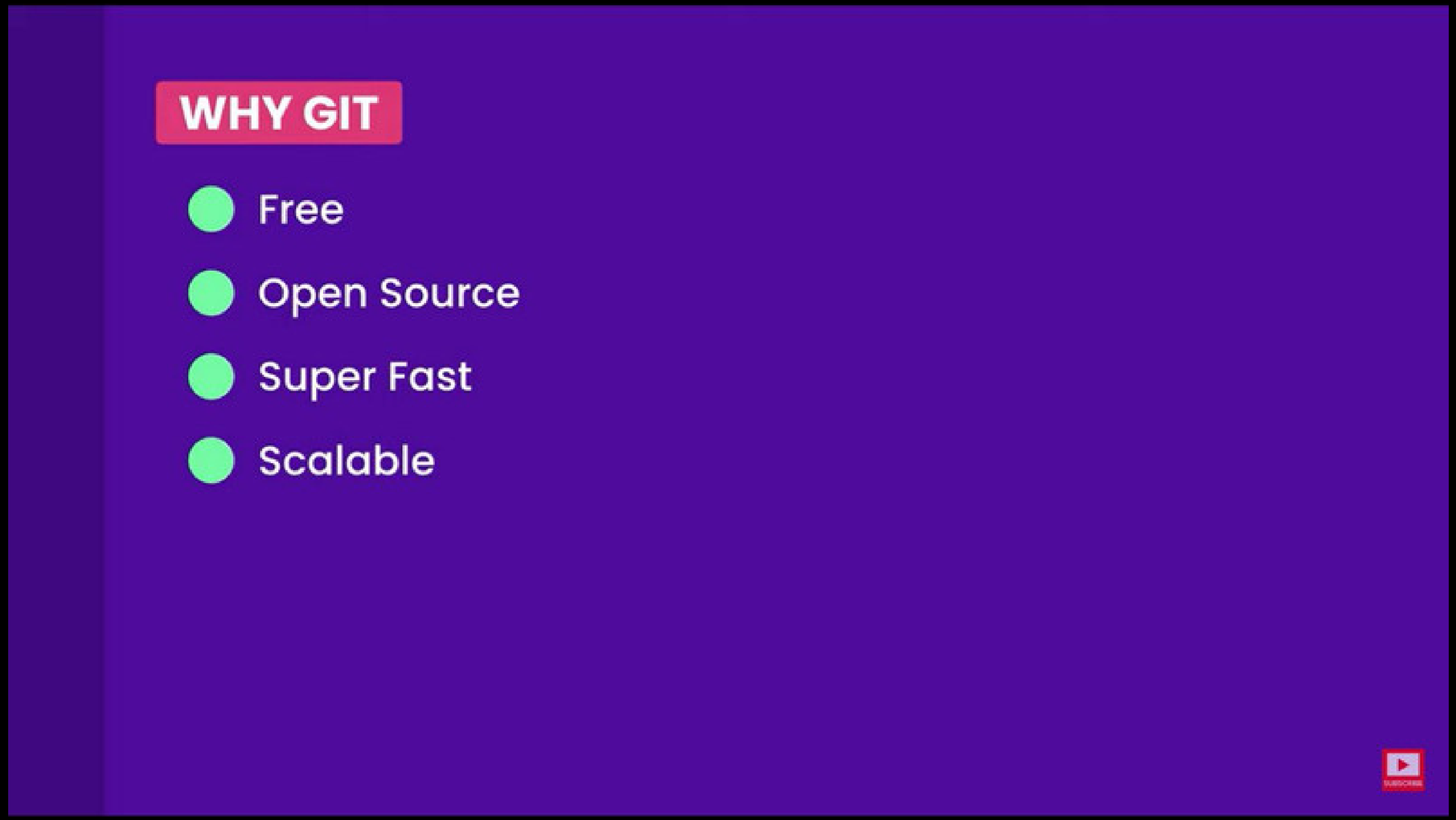
GitHub, Inc., is an Internet hosting service for software development and version control using Git. It provides the distributed version control of Git plus access control, bug tracking, software feature requests, task management, continuous integration, and wikis for every project



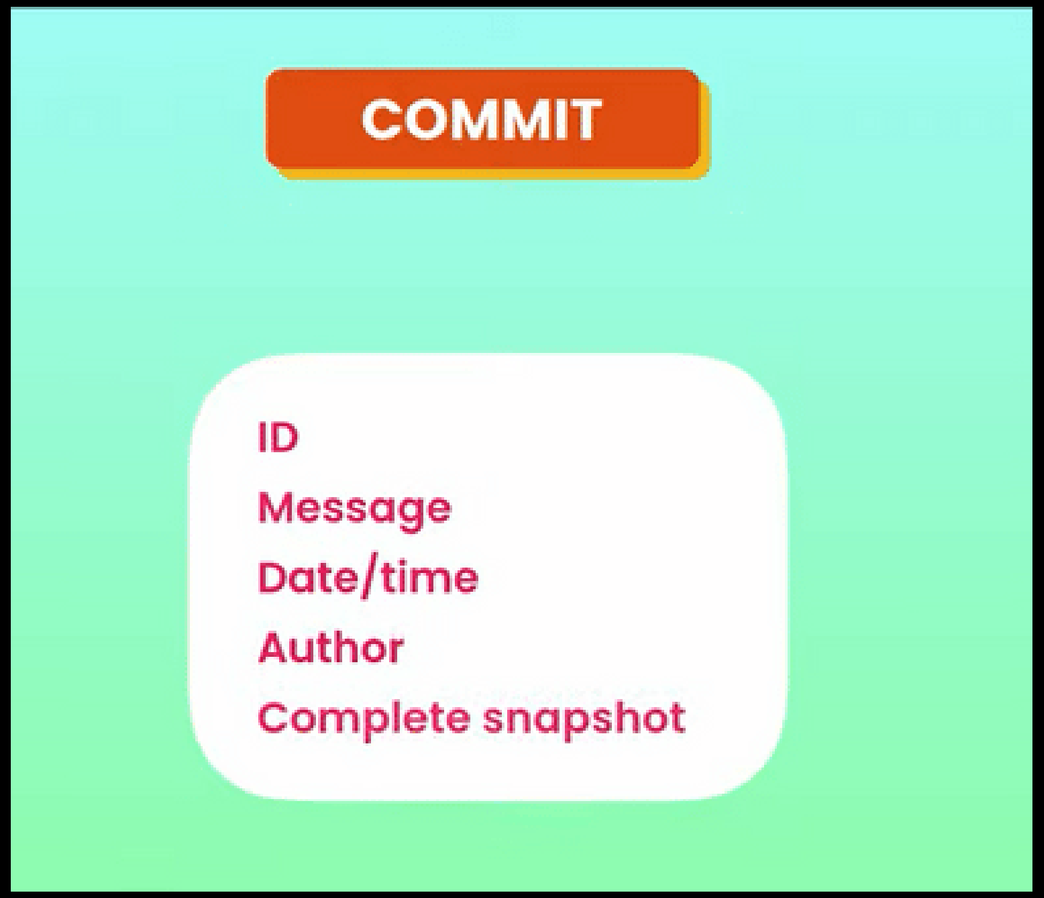

# Version Control System



# Why Git ?



# Commit Works like This




```
HiMaNshU@HiMaNshU-PC MINGW64 ~/Desktop/NewDirectory (ma
$ touch demofile

HiMaNshU@HiMaNshU-PC MINGW64 ~/Desktop/NewDirectory (ma
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be c
        demofile

nothing added to commit but untracked files present (us
track)
```

**Start a new Git repository for an existing code base**

$ cd /path/to/my/codebase

$ git init **(1)**

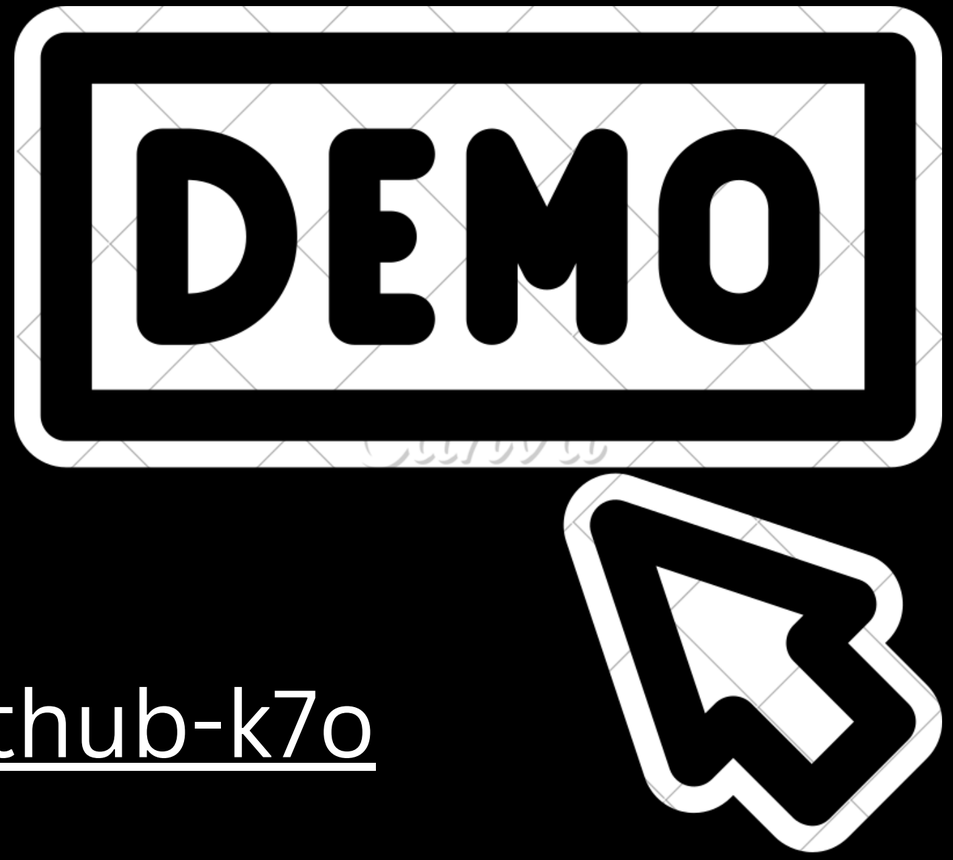
$ git add . **(2)**

$ git commit **(3)**

1. Create a /path/to/my/codebase/.git directory.
2. Add all existing files to the index.
3. Record the pristine state as the first commit in the history.

https://git-scm.com/download/win

https://github.com/

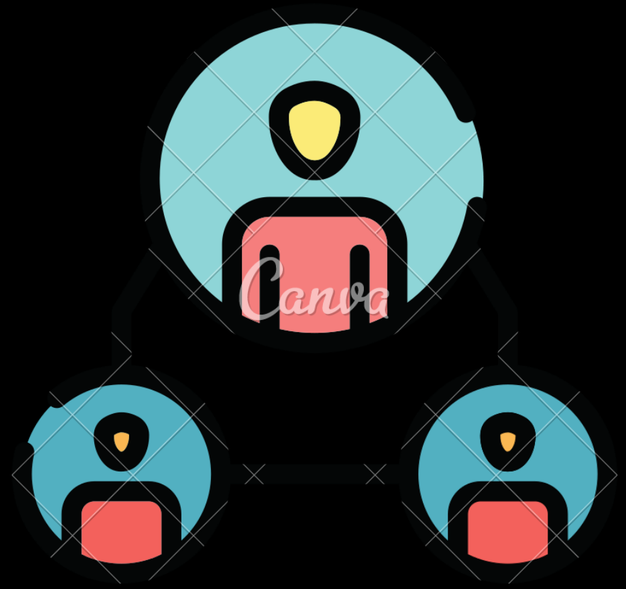


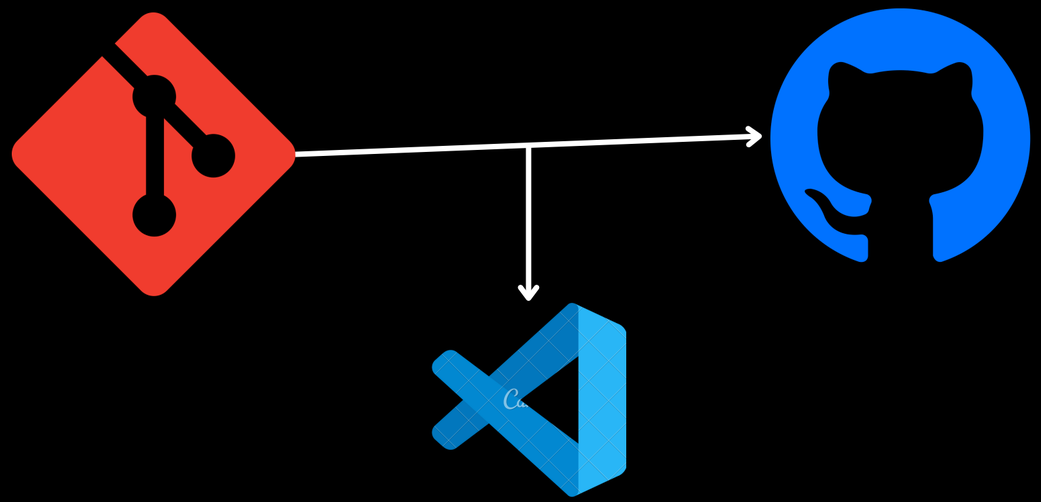

article

https://dev.to/solar0/what-is-github-k7o

# Contribute

We are Going Do Some pull Work In Local To Remote and Then You All Are Going Conbrite To My Open Project





https://github.com/mahesh1706

https://github.com/mahesh1706/Feedback

Thank You