

# Git Introduction

Git is a Version Control System(VCS) i.e. used to keep track of everything that is involved in making a certain project right from the beginning to the end. It can be used to revert back to any of the previous states which you have gone through in developing your project as it stores the details of the changes that are made in the due course of time, reducing your efforts if any errors has been made in its further development.

An addition to git is github(both of them are different), where you can publish your code/project through internet and is now open to the world. Any other developer can see your code and can request you to make changes if he desires and vice-versa. Github is a platform that is used by most of the open source organizations for publishing their code where developers find bugs or request for modifications or develop an entirely different flavor of the same.

Students usually include their github links in their resumes where their projects are uploaded. This help the other party to review your projects that provides you an edge over others who only describe them vocally or face to face.

## **Here is a paragraph that describes git in brief and has been pulled from internet.**

"Git is a free and open source distributed version control system designed to handle everything from small to very large projects with speed and efficiency. Git is a version control system (VCS) for tracking changes in computer files and coordinating work on those files among multiple people. It is primarily used for source code management in software development, but it can be used to keep track of changes in any set of files. As a distributed revision control system it is aimed at speed, data integrity, and support for distributed, non-linear workflows. Git was created by Linus Torvalds in 2005 for development of the Linux kernel, with other kernel developers contributing to its initial development. Its current maintainer since 2005 is Junio Hamano. As with most other distributed version control systems, and unlike most client-server systems, every Git directory on every computer is a full-fledged repository with complete history and full version tracking abilities, independent of network access or a central server."

## **A Note for club members:**

1. A github account for the club has been created and club members are encouraged to come up with their project as they will be published in the official github account of github and are passed on to consecutive batches for development
2. The tutorials regarding the same are provided in the PDF files that are tagged to this file.
3. After learning the basics of git, it is recommended by every club member to sign up for an account in github and publish their codes that are been developed by you till now. These might be reviewed by the other club members and can help you in assisting for futher development.

Also students who are interested in your projects can approach you for assistance. In this way github can help you out in developing your projects in teams.

4. If you still find trouble in learning then contact the undersigned.

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