

Open Source



Coding Club
IIT Guwahati



Open Source refers to something people can edit, contribute to and share because its source code is freely and openly accessible. It enables the end user to leverage the openly available technology to implement in their own software.

“It’s the right way to do things.”

— Linus Torvalds

Getting Started

Before starting your journey in Open Source you should know the workings and advantages of Open Source. Below is the link to the video about Getting Started with Open Source:

— [Getting Started E02: Open Source](#)

We have explained about What is Open Source, Why it is a thing, Where it is used, What stuff does come under it, What events is it helpful in, etc important and useful stuff!

Git

Git is an essential dev tool which is used widely in the programming world. It is a VCS (Version Control System) which tracks changes in the code during the software development cycle.

The following tutorial will help you in learning Git:

— [Advanced GitHub Workshop](#)



Reading Material for Git and Github

For those of you who prefer reading over watching:

- [Git and Github crash course](#)
- [Git Crash Course: A Simple Workflow for Small Teams and Startups](#)

The stuff explained in these resources are mostly same to the videos mentioned previously.

Github Action

Ahh and here is the section for those of you who wants to do something extra at the end of the day. Github Action is a CI/CD platform which helps in automating tests, builds, and deployment. Though the main purpose of github action is for CI/CD, it is not just limited to it. Here is the material to learn github action:

- [Github Actions Documentation - Github Docs](#)

You can also refer some youtube video for learning Github Actions, though it is best explained via its own documentation site.



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Make sure to go through the material carefully
to ensure that you perform well in the task.



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