

Bootcamp

Why This Bootcamp?

Welcome to the **GJU IT Club Bootcamp**—a learning experience designed for students, by students. This isn't just another online course or tutorial; it's a carefully structured program to give you real-world intro to practical skills in a short time.

What Makes It Different?

- **Hands-On Learning** – We focus on doing, not just watching. Every topic comes with tasks to apply what you learn.
- **Open-Source Readiness** – This bootcamp prepares you for real-world development, especially in open-source projects.
- **Self-Paced, No Pressure** – You can follow along live or work through the materials at your own pace.
- **Challenging Enough** – This won't be easy. You'll be tasked with challenges that require thinking and applying what you've learned. Prepare to meet difficulties, and prepare to learn from them.
- **Certificates That Matter** – You'll earn a certificate only by completing assignments, proving you've actually learned something.

Why Was It Created?

We have some Open-source projects in mind, but we're struggling in finding potential contributors since many students struggle with **where to start** in software development. Tutorials can be overwhelming, university courses often lack real-world application, and it's easy to get stuck in the cycle of passive learning. This bootcamp was designed to **break that cycle**—giving you structured, step-by-step guidance without unnecessary roadblocks.

If you're tired of watching endless videos and want to actually **build** something, you're in the right place. 🚀

Tips/How to Progress?

Online

1. Bring a Notebook + pen to write Questions (i.e. I didn't understand X, can you clarify it further?)
2. Use the Mic only for important stuff (i.e. Can't hear anything)
3. Focus on understanding the Big idea or the concept, it's ok if specific things don't click in your mind. Remember that you'll learn the most when you apply in practice.
4. Online != everything will be explained. again, Online meetings will focus on explaining the main concepts, you're expected to learn many stuff on your own (We will help in this Inshallah)

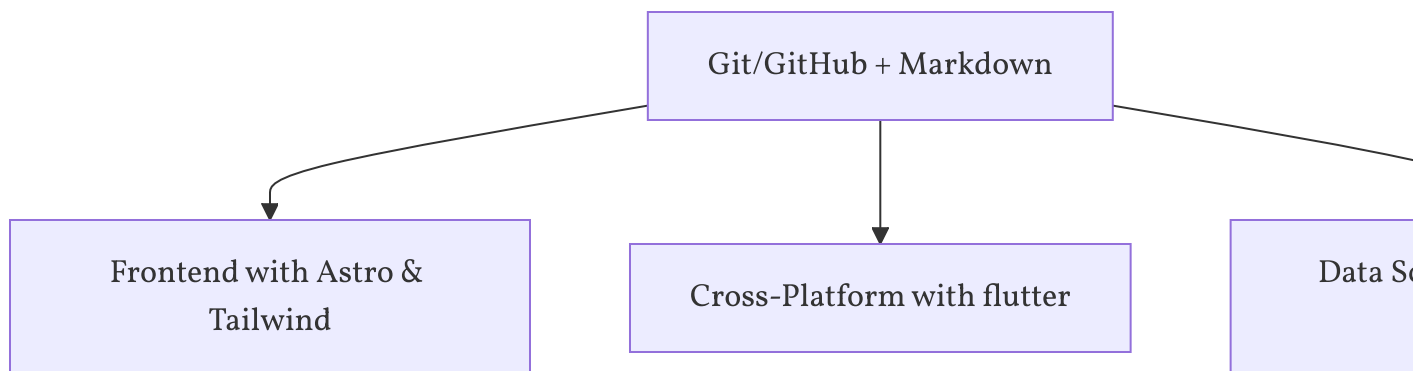
Self-paced

1. Follow along with the Material
2. Search online in case we haven't provided a resource, example: *git in 100 seconds*
3. We will try to provide alternative resource for almost everything we can.

Todos & Assignments

- Make sure you understand the Concepts
- Feel free to ask any question
- Here you'll begin the real learning process, remember it's easy for it to get frustrating.
- Have fun doing them

Material Overview



Calendar

Calendar

Installations

This Bootcamp will focus on the relevant stuff mainly, as other stuff like a language installation has enough online resources, instead, we will use a mix of installed & Cloud solutions that have the tech we need pre-installed.

On your local machine, you'll need the following to progress with us:

All Levels:

- Visual Studio Code
- [Lo](#)
- Git

LIC Data Science

- Anaconda
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Todos

- Install VScode
- Install Git
- Create a Github Account