01

FOSS Community?

"

" In real open source,
you have the right to
control your own
destiny. "

Linus Torvalds

Criteria for Open Source

- free or not?
- open as in access
- open as in modify
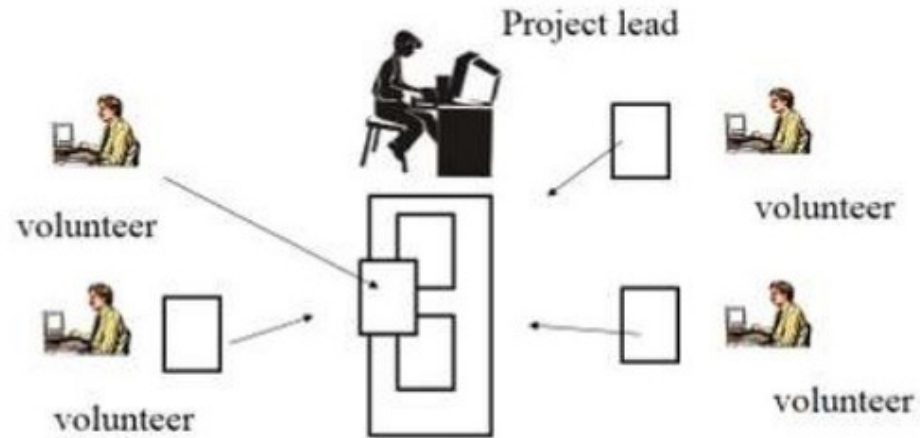- open for anyone, anywhere
- open for reuse

Why embrace Open Source?

- Quality and reliability

- Security and stability

- Adaptability and customisation

- Freedom and flexibility

- Cooperation and community

OPEN SOURCE DEVELOPMENT MODEL

Project lead

volunteer

volunteer

volunteer

volunteer

Why contributing is important?

- Real world software development experience

- Community Bonding

- Exposure

- Test your skills

- Satisfaction!

Stepping in the FOSS world

Prerequisites

- Git
- A programming language
- Basic/Medium Knowledge of your tech stack

04

How to choose an organisation?

List of organisations: https://summerofcode.withgoogle.com/organizations/

Two Approaches

Top Down

Learn the Skills

Choose the organisation

Bottom Up

Learn the Skills

Choose the organisation

Three Pillars of successful integration into any org.

Introduce yourself

Join Slack/Gitter channel of your organisation and Introduce yourself.

Search for projects

Look at projects of the organisations. You can view the GitHub/gitlab page for recent activity. You can also visit GSoC archive for previous year projects.

Look for open issues and fix them

Look for open issues and try to solve them. Don't forget to claim the issue first in order to avoid any conflict with other active developers.

Learn GIT

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 easy to learn and has a tiny footprint with lightning fast performance.

Here is tutorial link:
https://guides.github.com/introduction/git-handbook/

Find existing open issues or create new ones.

Fix the issue within a limited amount of time. Reach out for help to other members of organisation if necessary.

Develop er Cycle

Send pull request.

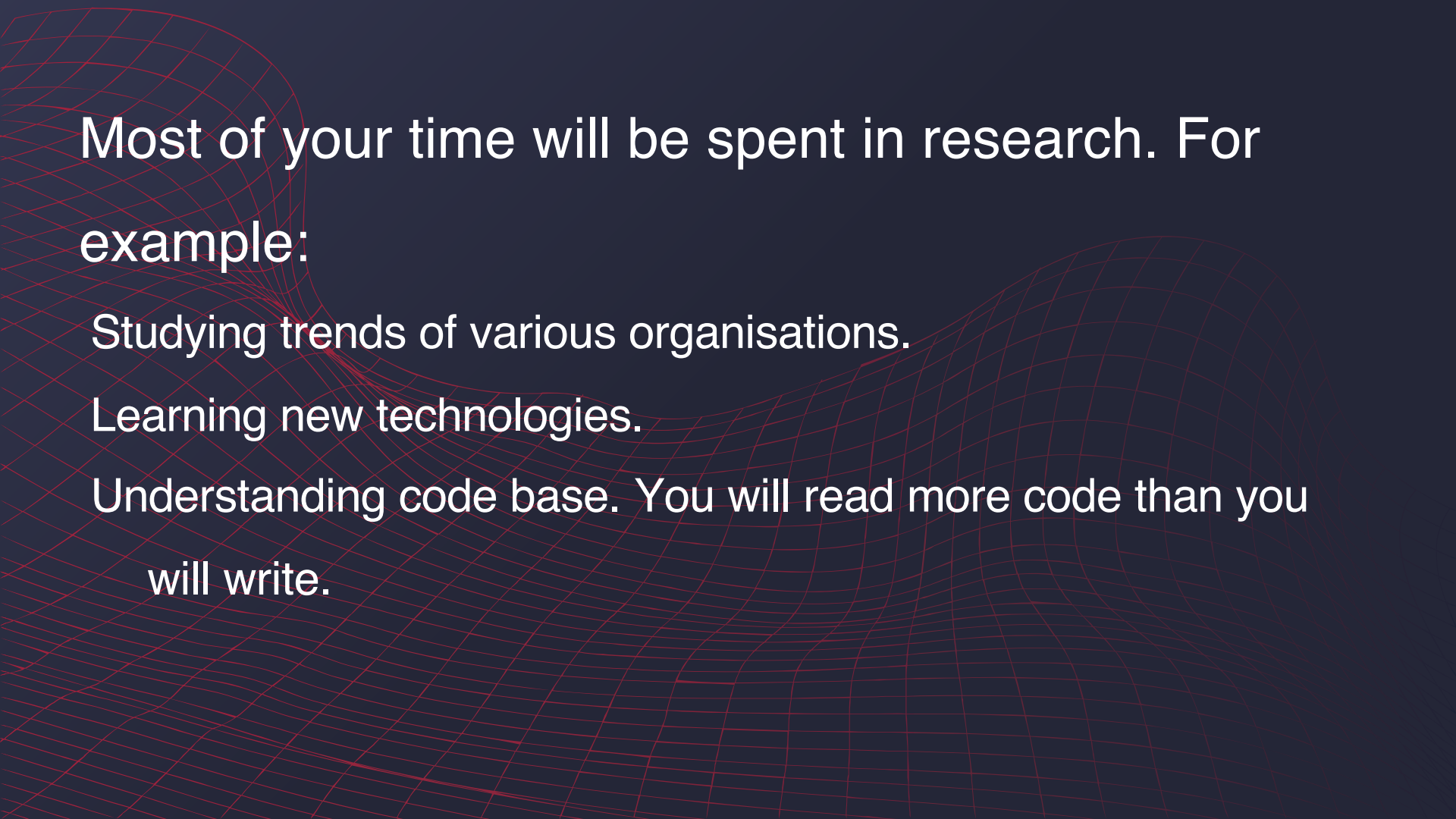# Few things I wish I knew before I started with Open Source

- You don't need to be a pro.

You don't need to be from CS background.

You don't need to understand the entire code base in order

to contribute.

Interact as much as possible with other developers.

Never be rude and always participate in discussions.

Most of your time will be spent in research. For

example:

Studying trends of various organisations.

Learning new technologies.

Understanding code base. You will read more code than you

will write.

Connect with me

Twitter: kunalstwt