

Git & GitHub

"The beautiful
thing about
learning is that no
one can take it
away from you." —
B.B. King

Data Scientist → ML Engineer (MLOps helps)

Deployments

Manage Projects

Maintaining ML Model

Cloud API

ML OPS

ML Operations

Devops → ops. part of soft. Dev

↳ maintaining s/w, Deploy cloud, manage

Connection Devops & Mlops

(AI Powered Softwares)

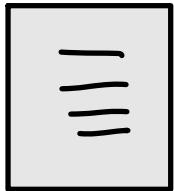
Data → Cleaning → EDA → ML Models → Deployment → Monitoring
DL Model

Git & Github

Git

(Software)

- Version Control System (VCS)
- track your code over time



100⁰ files

→ Production → Stable

a.py



add
new
feature

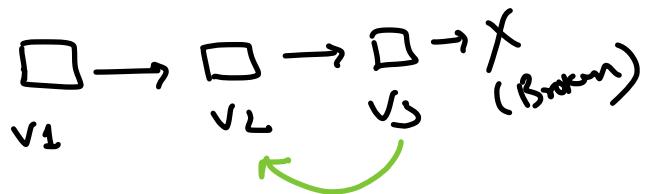


messed up
[Bug]

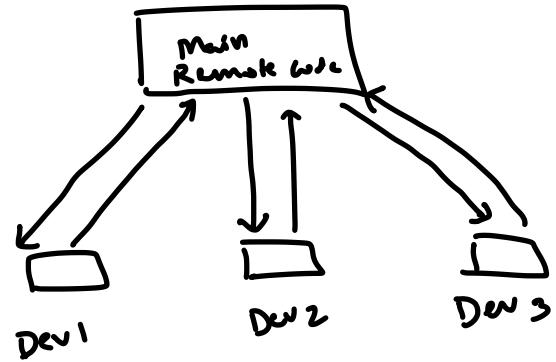
Deploy

BOOM

fallback to the previous version



Git → Distributed VCS



!! Github



Github
→ Host
→ Remote

Git → local
Github → remote
[Cloud]



Git Terminology

① Repository :

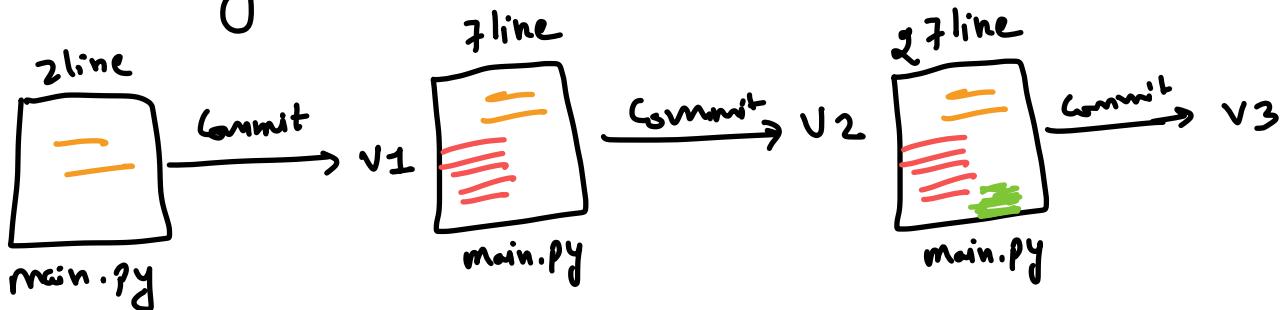
folder file sys

"local repos & remot repos"

②

Commit :

every commit becomes a version



③ Push: local repo → remote repo.

④ Pull: remote repo → local repo

fetch

pull

⑤ Clone:

⑥ Branching

