

# 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

Dev ops → ops. part of soft. Dev

↳ maintaining s/w, Deploy cloud, manage

Connection Devops & MLOps

(AI Powered Software)

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

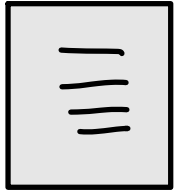
# Git & Github

## Git

(software)

→ Version Control System (VCS)

→ track your code over time



100 files

→ Production → stable

a.py



add  
new  
feature

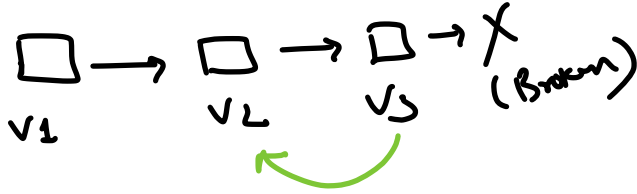


messed up  
[Bug]

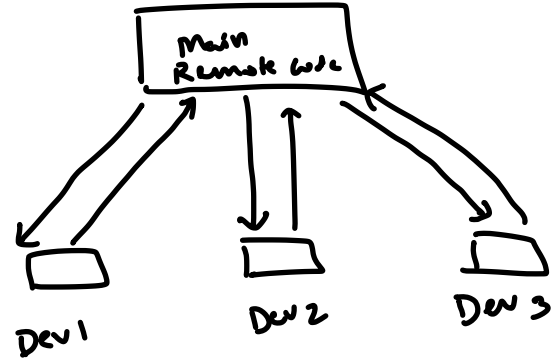
Deploy



fallback to the previous version



Git → Distributed VCS



## Github



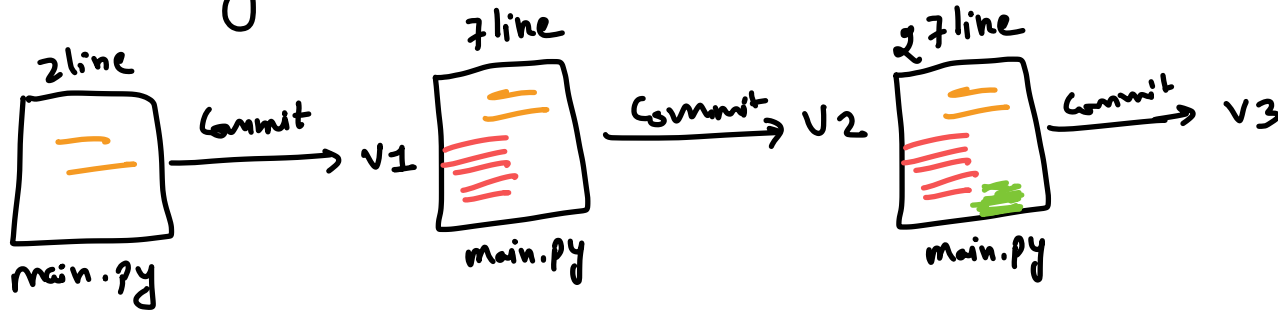
Github  
→ Host  
→ Remote

Git → local  
Github → remote  
[cloud]

# Git Terminology

① Repository : "local repo & remote repo"  
folder / file sys

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

