**Git Cheat Sheet**

**Git basics**

**· git init**— Create new local repository.

**· git clone <Url>** — Clone existing remote repository.

**· git add —**stage all changes.

**· git status —**List all new /modified files to be committed.

**· git commit -m <message> —**Commit staged Changes to local repository.

**· git push —**Push local commits to remove repository.

**· git pull —**Download & merge commits from remote repository.

**· git log —**List version history of current branch.

**· git config — global user.name <name> —**To set a username.

**· git config — global user.email <mail id> —**To set a user email.

**· git config — list**— TO check user configuration details.

**Git Branches**

**· git branch —**List all the local branch in current repo.

**· git checkout -b <branch-name>**— Creates a new branch.

**·git checkout <branch-name>**— Switch to specified branch & update working directory.

**· git merge <branch-name>**— Combine specified branch’s history into current branch.

**· git stash —**To pop the temporarily stacked changes with above command.

**· git stash pop -**To check order stack-order of stashed file.

**· git stash list** -To push repository on github

**· git revert /git reset —**To reapply commits on top of another base trip.

**· git rebase <base> -**List all currently configured remote repositories.

**Git Advanced**

**· git fetch <bookmark>**— Download all history from repository bookmark.

**· git remote add <alias-name> <url>**— Add remote repository url as an alias

**· git push <alias> <branch-name>**— Push local commit to remote repository.

**·git rest <commit>**— Undoes all commits after commit, preserving changes locally.

**· git reset –hard <commit>**— Discard all history and changes back to specified commit.