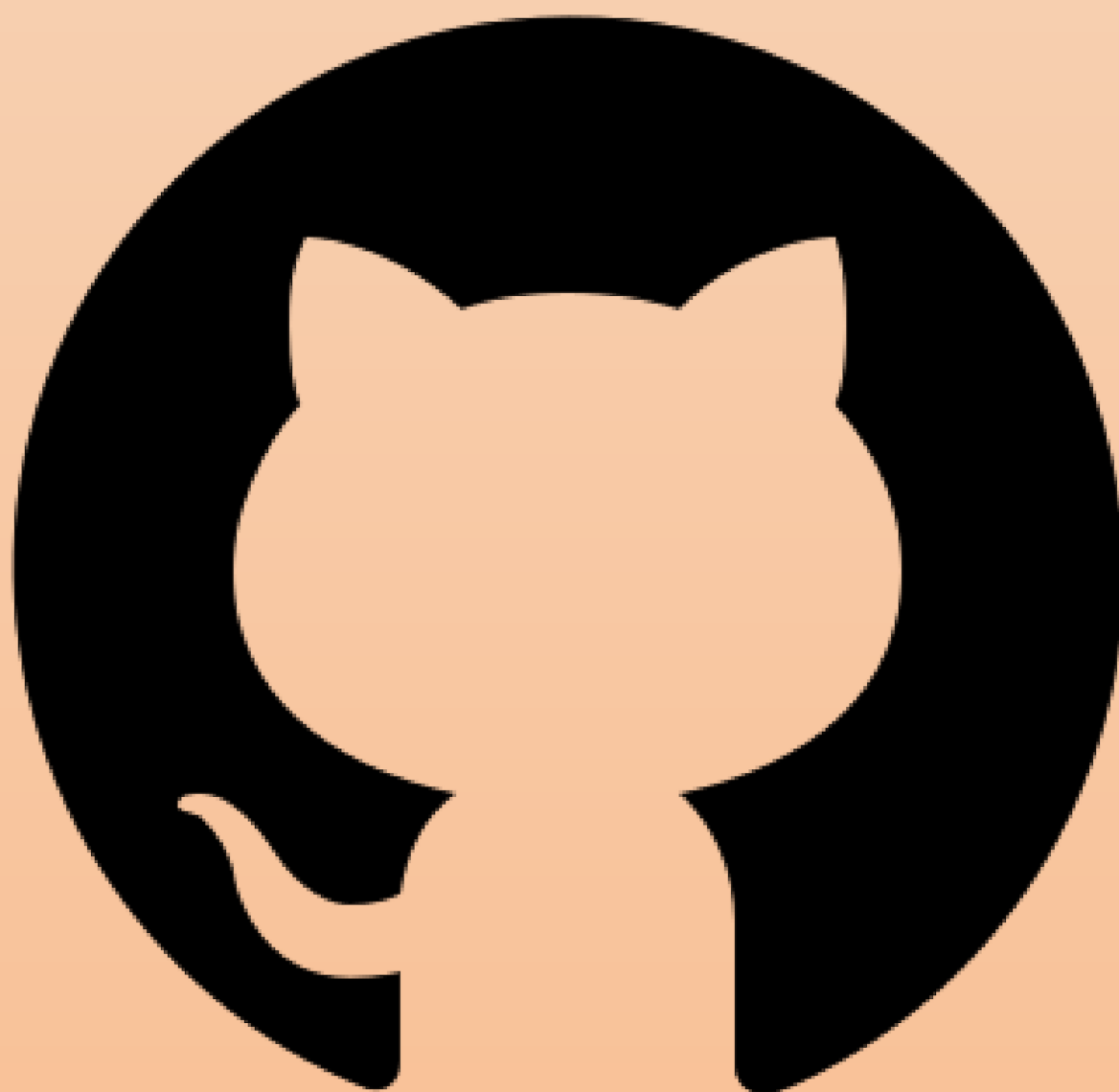


GIT-GITHUB CHEAT SHEET

BY NAVEEN VERMA



Git-GitHub Cheat Sheet

Basic Commands

- **git --version** : Shows the version of Git installed.
- **git init** : Initializes a new Git repository.
- **git status** : Shows the status of all files in the repository.
- **git log** : Displays the commit history with detailed information.
- **git log --oneline** : Shows the commit history in a compact, one-line format.

Configuration

- **git config --global user.name "username"** : Configures the Git username globally.
- **git config --global user.email "email"** : Configures the Git email globally.

Staging and Committing

- **git add <filename>** : Adds the specified file to the staging area.
- **git add .** : Adds all files in the current directory to the staging area.
- **git rm --cached <filename>** : Removes the specified file from the staging area.
- **git commit -m "commit message"** : Commits the staged changes with a commit message.

Branching and Merging

- **git checkout -b <branch name>** : Creates a new branch and switches to it.
- **git checkout <branch name>** : Switches to the specified branch.
- **git switch <branch name>** : Another way to switch to the specified branch.
- **git merge <branch name>** : Merges the specified branch into the current branch.
- **git merge <branch name> --squash** : Merges the specified branch into the current branch, squashing all commits into one.

Remote Repositories

- **git clone <repository link>** : Clones a repository from a remote source.

- **git remote -v** : Shows the remote URLs linked to the repository.
- **git remote set-url --add <remote name> <new URL>** : Adds a new URL to the remote repository.
- **git push origin <branch name>** : Pushes changes from the local branch to the remote repository.
- **git pull origin <branch name>** : Pulls changes from the remote repository to the local branch.

Reverting and Resetting

- **git revert <commit id>** : Creates a new commit that undoes the changes from the specified commit.
- **git reset <commit id>** : Resets the current HEAD to the specified commit, discarding all changes after it.
- **git restore <filename>** : Restores the specified file if it has been deleted from the file system.

Rebasing and Cherry-Picking

- **git rebase <branch name>** : Applies commits from the specified branch onto the current branch.
- **git cherry-pick <commit id>** : Applies the changes from a specific commit to the current branch.

Stashing

- **git stash** : Saves changes in a dirty working directory temporarily.
- **git stash pop** : Applies the most recently stashed changes and removes them from the stash list.