GIT cheatSheet 👍

Git cheat sheet tailored for Software Development Engineer in Test (SDET) perspective.
Git is a widely used version control system that helps you manage and track changes in your codebase. This cheat sheet covers basic Git commands and concepts that are useful for SDET tasks:

Basic Commands:

1. Clone a Repository:

git clone <repository_url>

2. Check Repository Status:

git status

3. Stage Changes:

git add <file_name>

4. Commit Changes:

git commit -m "Commit message"

5. Push Commits to Remote:

git push origin <branch_name>

6. Pull Latest Changes:

```
git pull origin <branch_name>
```

7. Create a New Branch:

```
git checkout -b <new_branch_name>
```

8. Switch Branches:

```
git checkout <branch_name>
```

9. Merge Branches:

```
git checkout <target_branch>
git merge <source_branch>
```

Working with Remote:

1. Add a Remote Repository:

```
git remote add <remote_name> <repository_url>
```

2. List Remote Repositories:

```
git remote -v
```

3. Push Branch to Remote:

```
git push <remote_name> <branch_name>
```

Viewing History and Differences:

1. View Commit History:

   git log

2. View Changes in a Specific Commit:

   git show <commit_hash>

3. View Differences Between Branches:

   git diff <branch1>..<branch2>

Undoing Changes:

1. Undo Last Commit (Keep Changes):

   git reset HEAD~1

2. Discard Changes in Working Directory:

   git checkout -- <file_name>

Advanced Topics:

1. Rebase Interactive Mode (Combine, Edit, Reorder Commits):

   git rebase -i <base_commit>

2. Cherry-pick a Commit from Another Branch:

```
git cherry-pick <commit_hash>
```

3. Stash Changes:

```
git stash
git stash pop
```

you can explore more advanced commands and strategies. It's also recommended to refer to the official Git documentation for a comprehensive understanding: https://git-scm.com/docs