

Git Cheat Sheet for MLOps

1. Git Basics

```
$ git init
```

Start a new Git repository in your current directory.

```
$ git clone <repo_url>
```

Clone a repository from a remote (like GitHub).

```
$ git config --global user.name "Your Name"
```

Set your Git username.

```
$ git config --global user.email "you@example.com"
```

Set your Git email.

2. Working with Changes

```
$ git status
```

Check the current state of the working directory and staging area.

```
$ git add <file>
```

Stage a file for commit.

```
$ git add .
```

Stage all changes.

```
$ git commit -m "Your message"
```

Commit staged changes with a message.

```
$ git push origin <branch>
```

Push committed changes to the remote repository.

```
$ git pull origin <branch>
```

Fetch and merge changes from the remote repository.

3. Branching

```
$ git branch <branch-name>
```

Create a new branch.

```
$ git checkout <branch-name>
```

Switch to a different branch.

```
$ git merge <branch-name>
```

Merge another branch into your current one.

```
$ git rebase <branch-name>
```

Reapply your changes on top of another branch.

4. Advanced Tips

```
$ git stash
```

Temporarily save uncommitted changes.

```
$ git stash pop
```

Reapply stashed changes.

```
$ git tag <version>
```

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Tag a specific commit (e.g., model release).

```
$ .gitignore
```

Specify files and folders to exclude from Git.