GIT SOLUTIONS 2

**What is .gitignore in Git?**

**.gitignore** is a special file used in **Git** to **tell Git which files or directories to ignore** in a repository.  
That means Git will **not track**, **add**, or **commit** any files or folders listed in .gitignore.

**How to Ignore Files Using .gitignore**

1. **Create a .gitignore file** in the **root directory** of your project (if it doesn't exist).
2. **Add patterns or file names** to it based on what you want to ignore.

(base) shamimakhtar@Shamims-MacBook-Air GitDemo % touch application.log error.log debug.log

mkdir logs

touch logs/server.log logs/access.log

touch README.md main.py

(base) shamimakhtar@Shamims-MacBook-Air GitDemo % git status

On branch master

Untracked files:

(use "git add <file>..." to include in what will be committed)

README.md

application.log

debug.log

error.log

logs/

main.py

nothing added to commit but untracked files present (use "git add" to track)

(base) shamimakhtar@Shamims-MacBook-Air GitDemo % git add .gitignore README.md main.py

fatal: pathspec '.gitignore' did not match any files

(base) shamimakhtar@Shamims-MacBook-Air GitDemo % git commit

On branch master

Untracked files:

(use "git add <file>..." to include in what will be committed)

README.md

application.log

debug.log

error.log

logs/

main.py

nothing added to commit but untracked files present (use "git add" to track)

(base) shamimakhtar@Shamims-MacBook-Air GitDemo % touch .gitignore

(base) shamimakhtar@Shamims-MacBook-Air GitDemo % nano .gitignore

(base) shamimakhtar@Shamims-MacBook-Air GitDemo % nano .gitignore

(base) shamimakhtar@Shamims-MacBook-Air GitDemo % git status --ignored

On branch master

Untracked files:

(use "git add <file>..." to include in what will be committed)

.gitignore

README.md

main.py

Ignored files:

(use "git add -f <file>..." to include in what will be committed)

application.log

debug.log

error.log

logs/

nothing added to commit but untracked files present (use "git add" to track)

(base) shamimakhtar@Shamims-MacBook-Air GitDemo % git add .gitignore README.md main.py

(base) shamimakhtar@Shamims-MacBook-Air GitDemo % git commit -m "Initial commit with gitignore configuration"

[master da4e32a] Initial commit with gitignore configuration

3 files changed, 3 insertions(+)

create mode 100644 .gitignore

create mode 100644 README.md

create mode 100644 main.py

(base) shamimakhtar@Shamims-MacBook-Air GitDemo % git log --oneline

da4e32a (**HEAD** -> **master**) Initial commit with gitignore configuration

f43225b Initial commit with welcome file

(base) shamimakhtar@Shamims-MacBook-Air GitDemo % git push origin master

Username for 'https://github.com': ShamimAkhtar-bot

Password for 'https://ShamimAkhtar-bot@github.com':