

Install Git Configuration

```
ubuntu@ip-172-31-8-120:~$ sudo apt install git -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
git is already the newest version (1:2.43.0-1ubuntu7.3).
git set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 86 not upgraded.
ubuntu@ip-172-31-8-120:~$ git --version
git version 2.43.0
ubuntu@ip-172-31-8-120:~$ █
```

i-050597e5ecdc64ecd (Ubuntu- GitHub)

Public IPs: 52.66.250.195 Private IPs: 172.31.8.120

Git Configure

username and email globally on system.

```
ubuntu@ip-172-31-8-120:~$ git config --global user.name "Pandit"
ubuntu@ip-172-31-8-120:~$ git config --global user.email "kshirsagarpanit211@gmail.com"
ubuntu@ip-172-31-8-120:~$ git config --list
git: 'cconfig' is not a git command. See 'git --help'.

The most similar command is
  config
ubuntu@ip-172-31-8-120:~$ git config --list
user.name=Pandit
user.email=kshirsagarpanit211@gmail.com
ubuntu@ip-172-31-8-120:~$ █
```

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Initialize Local

Git Repository -git add, git status git commit

```
ubuntu@ip-172-31-8-120:~$ git config --list
user.name=Pandit
user.email=kshirsagarpanit211@gmail.com
ubuntu@ip-172-31-8-120:~$ mkdir my_project
ubuntu@ip-172-31-8-120:~$ cd my_project
ubuntu@ip-172-31-8-120:~/my_project$ git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint:
hint:   git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:   git branch -m <name>
Initialized empty Git repository in /home/ubuntu/my_project/.git/
ubuntu@ip-172-31-8-120:~/my_project$ 
ubuntu@ip-172-31-8-120:~/my project$
```

i-050597e5ecdc64ecd (Ubuntu- GitHub)

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Git Repository link

The screenshot shows a GitHub repository page for a user named '25pandit' titled 'Hello_test'. The repository is public. At the top, there are navigation links for Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. Below the header, there's a search bar and a pin/watch/fork button. The main content area shows the repository details: 'Hello_test' (branch), 1 Branch, 0 Tags, Go to file, Add file, and a dropdown for Code. A commit by '25pandit' is listed: 'Initial commit' at 35a69a3 · now, 1 Commit. Below the commit, there are files: 'README.md' (Initial commit) and 'README' (with an edit icon). On the right side, there's an 'About' section with a note: 'No description, we'. It includes links for Readme, Activity, 0 stars, 0 watching, and 0 forks. There's also a 'Releases' section with a note: 'No releases published' and a link to 'Create a new release'.

```
Last login: Fri Jan 16 15:29:38 2026 from 13.233.177.5
ubuntu@ip-172-31-8-120:~$ git config --global user.name "pandit"
ubuntu@ip-172-31-8-120:~$ git config --global user.name "pandit"
ubuntu@ip-172-31-8-120:~$ git config --global user.email "25.pandit@gmail.com"
ubuntu@ip-172-31-8-120:~$ git config --list
user.name=pandit
user.email=25.pandit@gmail.com
usr.name=pandit
ubuntu@ip-172-31-8-120:~$ mkdir workspace
ubuntu@ip-172-31-8-120:~$ cd workspace/
ubuntu@ip-172-31-8-120:~/workspace$ pwd
/home/ubuntu/workspace
ubuntu@ip-172-31-8-120:~/workspace$ mkdir workspace
ubuntu@ip-172-31-8-120:~/workspace$ cd workspace/
ubuntu@ip-172-31-8-120:~/workspace/workspace$ git clone https://github.com/25pandit>Hello_test.git
Cloning into 'Hello_test'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (3/3), done.
ubuntu@ip-172-31-8-120:~/workspace/workspace$
```

i-050597e5ecdc64ecd (Ubuntu- GitHub)

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```
-bash: cd: Hello_test/: No such file or directory
ubuntu@ip-172-31-8-120:~/workspace/workspace$ cd Hello_test/
ubuntu@ip-172-31-8-120:~/workspace/workspace/Hello_test$ ls
README.md
ubuntu@ip-172-31-8-120:~/workspace/workspace/Hello_test$
```

i-050597e5ecdc64ecd (Ubuntu- GitHub)

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```
ubuntu@ip-172-31-8-120:~/workspace/workspace/Hello_test$ git log
commit 35a69a3c8b0d1d82a19ed844280bd9189771d4ba (HEAD -> main, origin/main, origin/HEAD)
Author: 25pandit <25.pandit@gmail.com>
Date:   Fri Jan 16 21:36:00 2026 +0530

    Initial commit
ubuntu@ip-172-31-8-120:~/workspace/workspace/Hello_test$ git log --oneline
35a69a3 (HEAD -> main, origin/main, origin/HEAD) Initial commit
ubuntu@ip-172-31-8-120:~/workspace/workspace/Hello_test$ git log --author="Author Name"
```