

What is an SSH Key?

SSH Key is a secure way to connect to servers and platforms like GitHub without using a password every time.

Why use SSH Key?

More secure than passwords

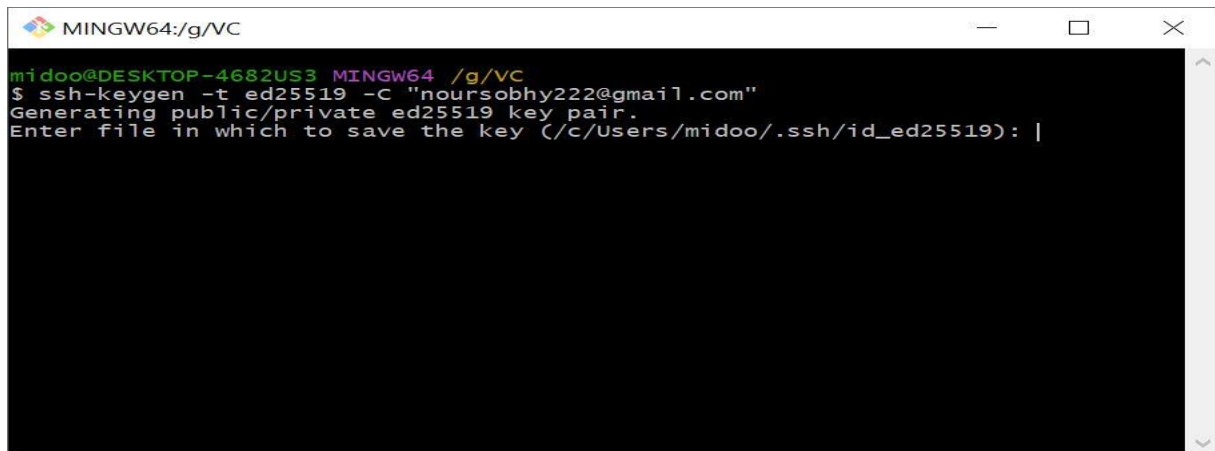
No need to enter your password every time you push or pull

Required for contributing to private repositories

How I created my SSH Key:

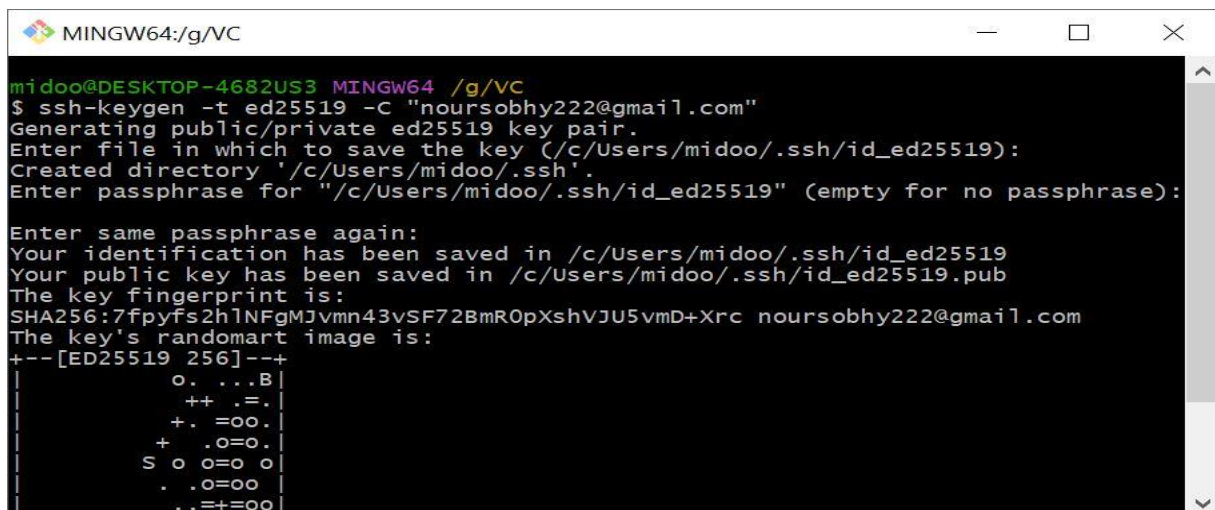
1-Opened Git Bash

2-Ran the command: `ssh-keygen -t ed25519 -C noursobhy222@gmail.com`



```
MINGW64:/g/VC
midoo@DESKTOP-4682US3 MINGW64 /g/VC
$ ssh-keygen -t ed25519 -C "noursobhy222@gmail.com"
Generating public/private ed25519 key pair.
Enter file in which to save the key (/c/Users/midoo/.ssh/id_ed25519): |
```

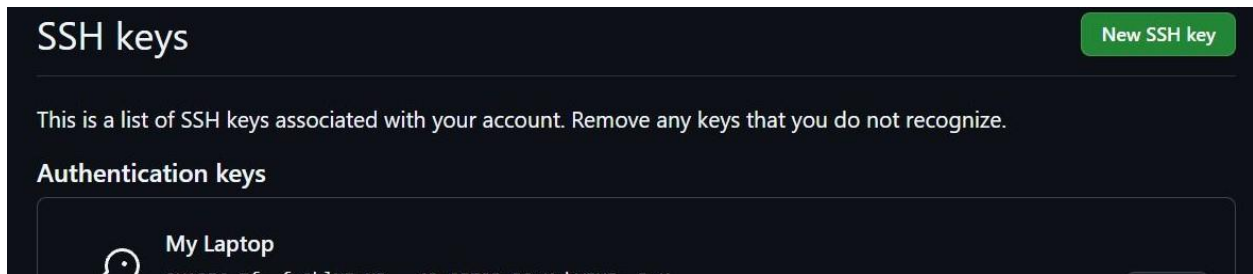
3-Saved the key in the default location



```
MINGW64:/g/VC
midoo@DESKTOP-4682US3 MINGW64 /g/VC
$ ssh-keygen -t ed25519 -C "noursobhy222@gmail.com"
Generating public/private ed25519 key pair.
Enter file in which to save the key (/c/Users/midoo/.ssh/id_ed25519):
Created directory '/c/Users/midoo/.ssh'.
Enter passphrase for "/c/Users/midoo/.ssh/id_ed25519" (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /c/Users/midoo/.ssh/id_ed25519
Your public key has been saved in /c/Users/midoo/.ssh/id_ed25519.pub
The key fingerprint is:
SHA256:7fpyfs2hlNFgMJvmn43vSF72BmR0pXshVJU5vmD+Xrc noursobhy222@gmail.com
The key's randomart image is:
+--[ED25519 256]--+
|      o. . . B |
|    ++ . = .   |
|   +. = oo.    |
|  + .o=o.o.    |
| S o o=o o     |
| . .o=oo       |
| ..+=+oo      |
```

4-Copied the public key using Notepad from C:\Users\username\.ssh\id_ed25519.pub

5-Went to GitHub → Settings → SSH and GPG keys → New SSH key → pasted the key



5-Cloned the repo using SSH link

