The error, **git@github.com: Permission denied (publickey)**, is a very common issue when trying to interact with a Git repository on GitHub using SSH. It means that when your computer tried to connect to GitHub, GitHub couldn't verify your identity using the SSH key you provided.

**Causes and Solutions**

**1. The SSH Key Isn't Registered with GitHub 🔑**

You need to have generated an SSH key pair and added the public key to your GitHub account settings.

**Solution Steps**

1. **Check for existing keys:** Open your terminal and run:

Bash

ls -al ~/.ssh

1. **Generate a new key (if needed):** If you don't have one, or want a fresh key, run:

Bash

ssh-keygen -t ed25519 -C [your\_email@example.com](mailto:your_email@example.com)

1. **Add the public key to GitHub:**

* Copy your public key to your clipboard. For a key named id\_ed25519.pub, run:

Bash

cat ~/.ssh/id\_ed25519.pub

* Go to **GitHub Settings** 🡪 **SSH and GPG keys** 🡪**New SSH key**.
* Give it a descriptive title and paste the entire key content into the "Key" field.
* Click Add **SSH key**.