* **Initial Steps:**

**Step 1:** Create your **GitHub** account.

**Step 2:** Click on the link [apriya-ram/manipal\_assignments (github.com)](https://github.com/apriya-ram/manipal_assignments)

* **Fork:**

**Step 3:** Click on **Fork** at the top right to get that code in your Repositories.

A screenshot of a computer

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* **Create Directory:**

**Step 4:** Now in your putty or unix terminal (Vnc Viewer), follow the below commands.

Create your directory in below path

**cd /fetools/work\_area/frontend/**

**mkdir apriya (your login name for example priya’s name given)**

A screen shot of a computer

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* **Configuration:**

**Step 5:** In putty/unix configure your mirafra user\_name and email id as shown

**cd apriya/**

**git config --global user.name "apriya-ram"**

**git config --global user.email** [**apriyaram05@gmail.com**](mailto:apriyaram05@gmail.com)

* **SSH key in Linux:**

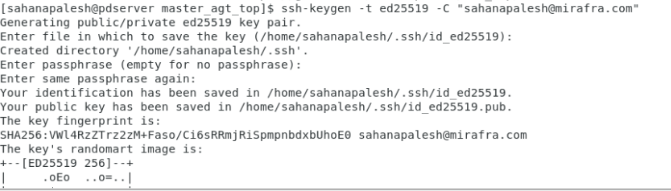
**Step 6:** Create ssh key,

**ssh-keygen -t ed25519 -C "**[**apriyaram05@gmail.com**](mailto:apriyaram05@gmail.com)**"**

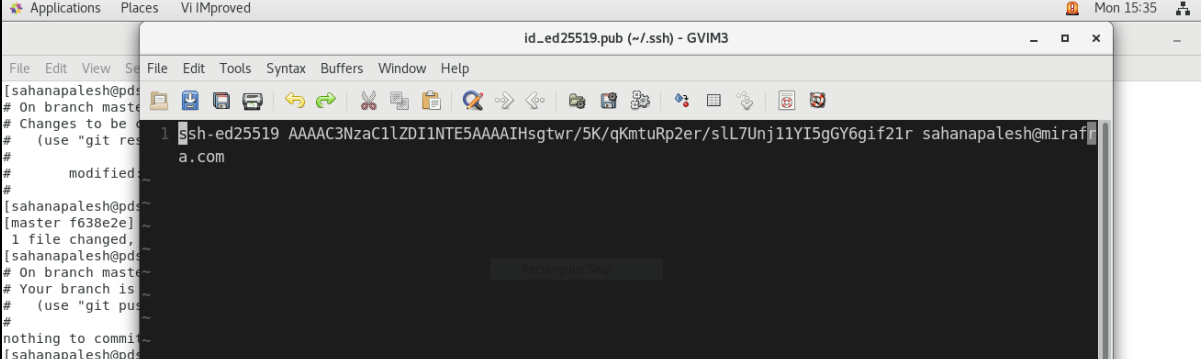
Now press **Yes** and Press **Enter** until it gets added and your path is obtained and give below command

**gvim ~/.ssh/id\_ed25519.pub**

**below image is an example given for reference**



**Step 7:** Now ssh key will be generated and copy the file contents.



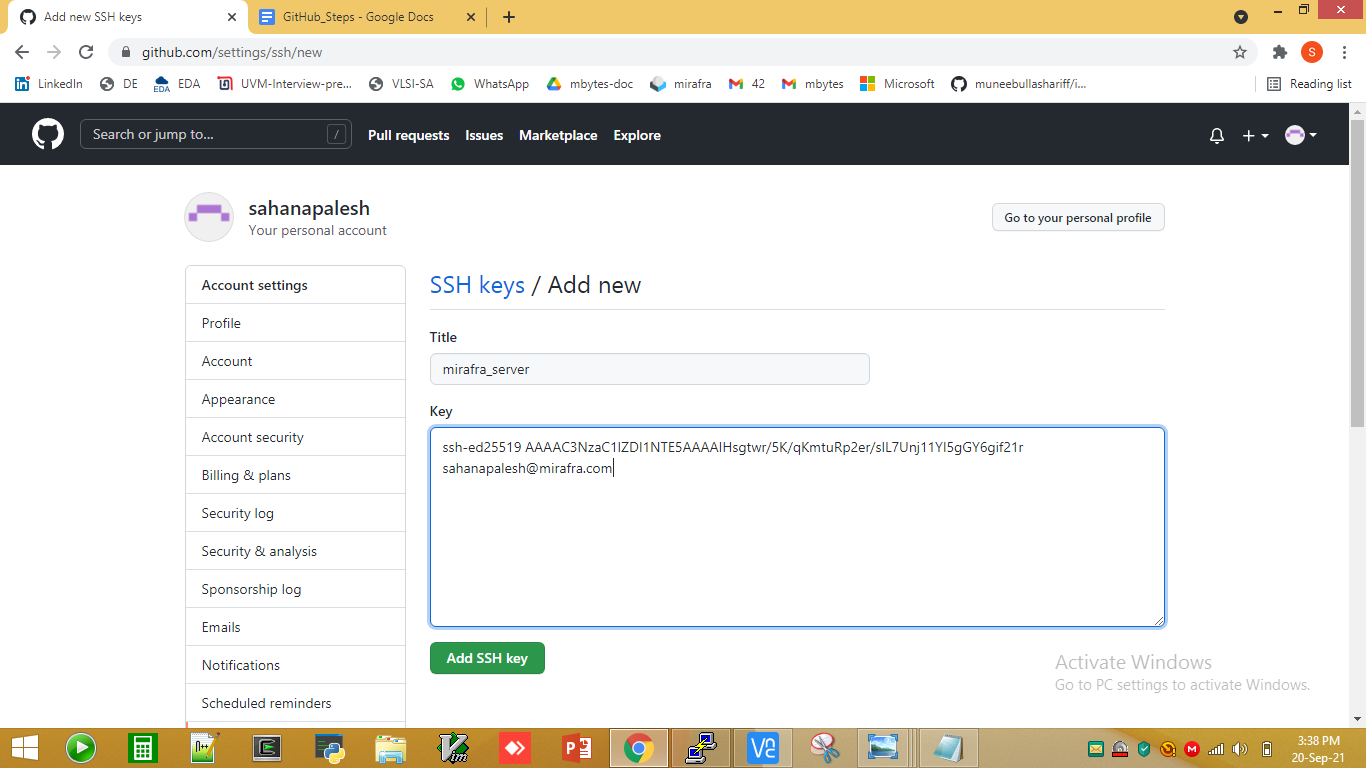
* **SSH key in GitHub:**

**Step 8:** Go to GitHub → Settings(of your account) → Account Settings → SSH and GPG keys → New SSH key

Title: **mirafra\_server**

Key: (Paste the copied SSH key from putty/unix)

Now click on Add SSH keys



**Step 9:** Now you can use the SSH link from GitHub → Repository (particular folder- manipal\_assignments) → code → Copy SSH link.

A screenshot of a computer

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* **Git Clone:**

**Step 10:** Go to putty/unix terminal and clone the path as following command

**git clone** [**git@github.com:apriya-ram/manipal\_assignments.git**](mailto:git@github.com:apriya-ram/manipal_assignments.git)

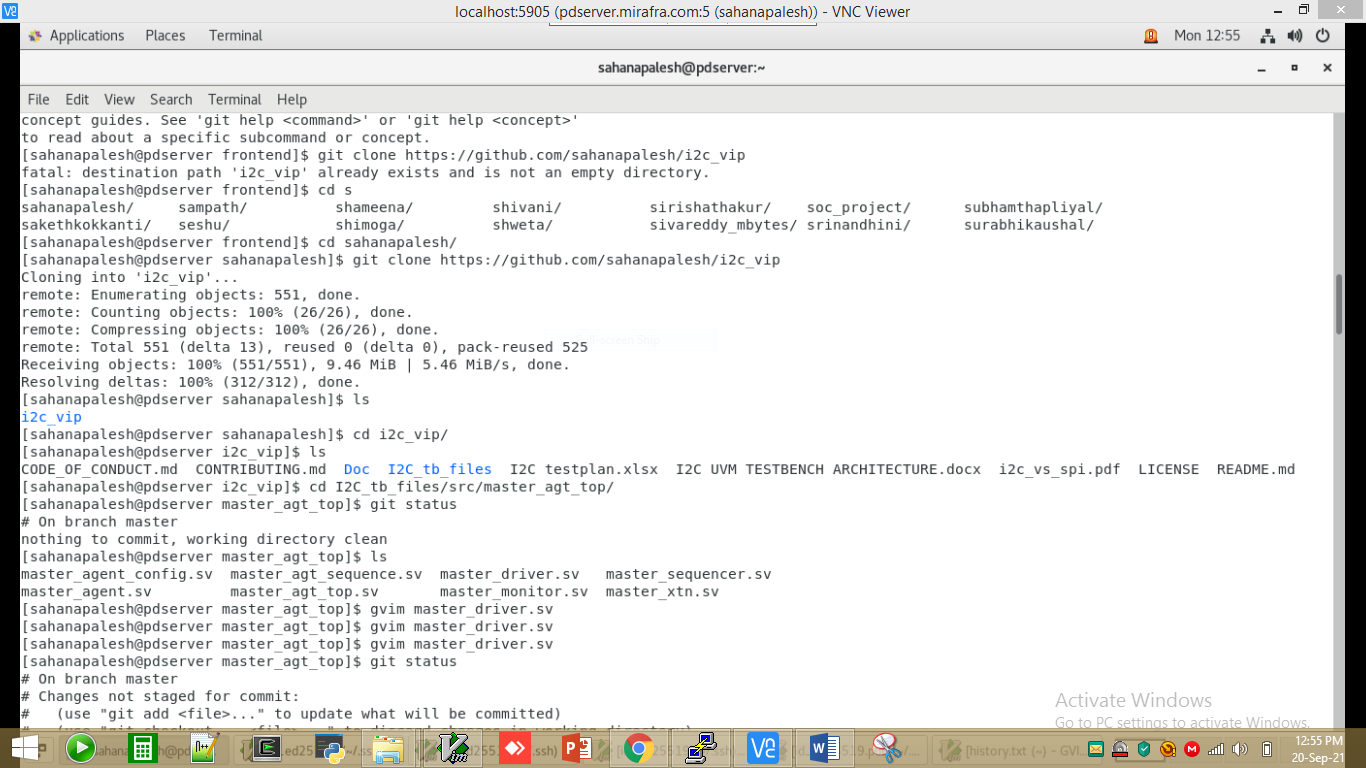
**Below image is given for reference for you here name of clone directory will be manipal\_assignments instead of i2c\_vip.**



**Step 11:** Go to the master folder and check for git status

**cd /manipal\_assignments/system\_verilog/data\_types\_assignment**

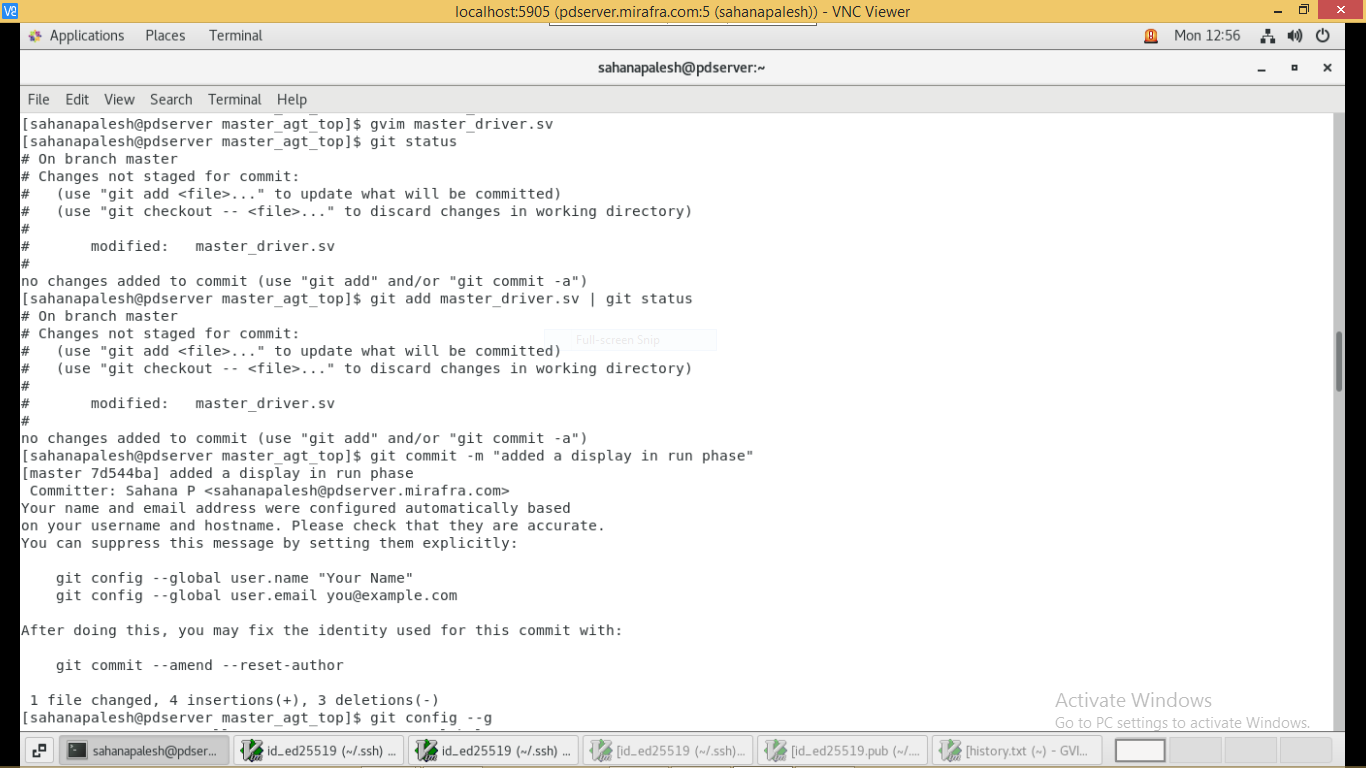
**git status**



**Step 12:** Edit a file in gvim as shown and check status

**gvim data\_assign1.sv**

**git status**



**Step13:**

**After editing the code save your code into your own work area and then copy same code to following path with your name as given in example below:**

**/**fetools/work\_area/frontend/assignments\_batch9/sv\_assignments/data\_types

**For ex: /fetools/work\_area/frontend/assignments\_batch9/sv\_assignments/data\_types/data\_assign1\_apriya.sv**