

# WAPH-Web Application Programming and Hacking

**Instructor: Dr. Phu Phung**

## Student

**Name:** Sai Keerthi Vadnala

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**Short-bio:** Sai Keerthi has great interest in learning web development and wants to explore more about it by doing hands-on projects.

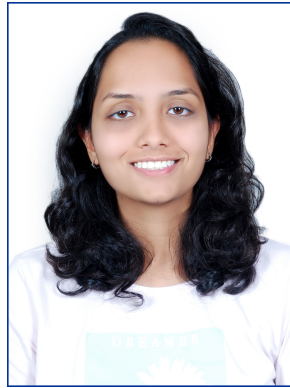


Figure 1: Sai Keerthi vadnala headshot

## Repository Information

Repository's URL: <https://github.com/Saikerthi72/waph-vadnalsi.git>

This is a private repository for Sai Keerthi Vadnala to store all code from the course. The organization of this repository is as follows.

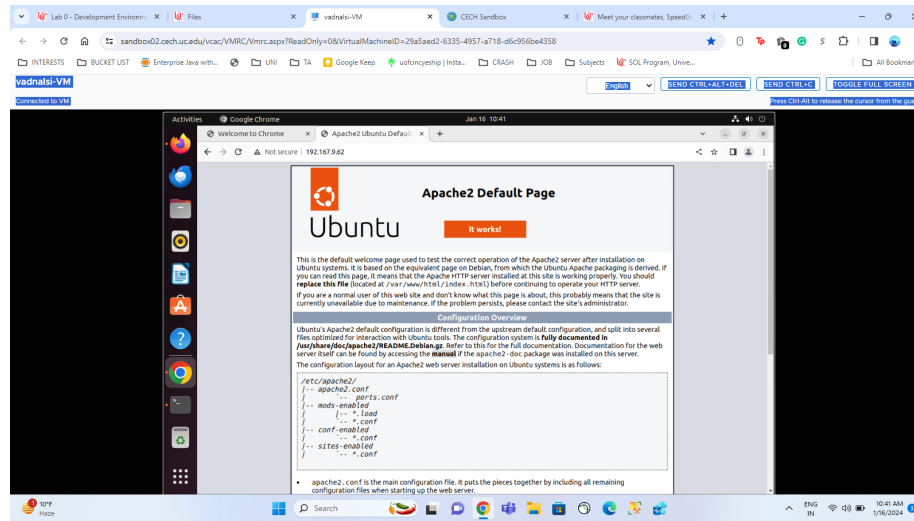
## Labs

Hands-on exercises in lectures

- Lab 0: Development Environment Setup ## Part I - Ubuntu Virtual machine & Software Installation
- Firstly I have used “sudo apt net-tools” command. This command helps in administering and troubleshooting network issues.
- Next I have installed apache web server, git, and sublime text using following commands respectively, “sudo apt install apache2”, “sudo apt install git”, “sudo snap install sublime-text --classic”.

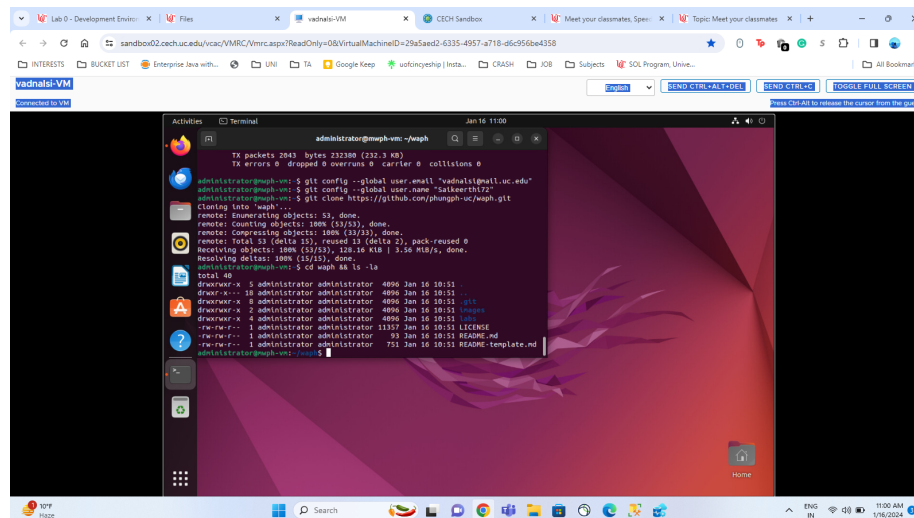
- I have installed pandoc to convert markdown files to pdf reports using the following command “sudo apt install pandoc”. Also installed **pdflatex** and its fonts which are used in rendering pdf files.

## Apache Web Server Testing



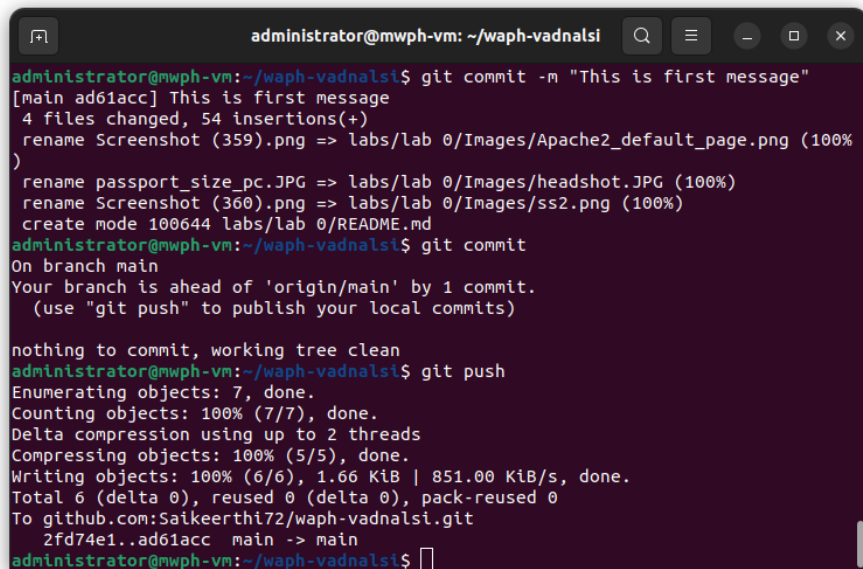
## Part II - git Repositories and Exercises

### The Course repository



## Private repository

- I have logged into my Github account, and clicked on “New” to create a new repository
- I have named the repository as **waph-vadnalsi**, selected it as Private, and created the repository.
- URL of the repo: <https://github.com/Saikeerthi72/waph-vadnalsi.git>
- In the handson exercises, I have generated and setted SSH Keys using commands: `ssh-keygen`, `ls ~/.ssh`, `ls ~/.ssh/id_rsa.pub` from the terminal and copied the key.
- And I have added the key to my github account: Click on settings > SSH and GPG Keys > New SSH Key.
- I have named the Key as *UbuntuVM* and pasted the copied key here.
- I have cloned the remote repository into my VM using command: `git clone git@github.com:Saikeerthi72/waph-vadnalsi.git`
- I have created a labs folder inside the waph-vadnalsi (local repository) and has copied the contents of README-template.MD from waph folder to README.MD file of waph-vadnalsi



```
administrator@mwph-vm: ~/waph-vadnalsi
administrator@mwph-vm:~/waph-vadnalsi$ git commit -m "This is first message"
[main ad61acc] This is first message
4 files changed, 54 insertions(+)
rename Screenshot (359).png => labs/lab 0/Images/Apache2_default_page.png (100%)
)
rename passport_size_pc.JPG => labs/lab 0/Images/headshot.JPG (100%)
rename Screenshot (360).png => labs/lab 0/Images/ss2.png (100%)
create mode 100644 labs/lab 0/README.md
administrator@mwph-vm:~/waph-vadnalsi$ git commit
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
(use "git push" to publish your local commits)

nothing to commit, working tree clean
administrator@mwph-vm:~/waph-vadnalsi$ git push
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 2 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (6/6), 1.66 KiB | 851.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0
To github.com:Saikeerthi72/waph-vadnalsi.git
2fd74e1..ad61acc main -> main
administrator@mwph-vm:~/waph-vadnalsi$
```

Figure 2: ss3