Thing we did:

1. `ssh-keygen -t rsa`
   Create the SSH key pair under .ssh but we didn't use it really

2. `ssh YOUR_NAME@<ip_address>`
   Sign into the remote server

3. `adduser YOUR_NAME`
   Create a user on the remote server so we don't use root for everything. Root is too powerful and shouldn't be used for everything

4. `usermod -aG sudo YOUR_NAME`
   Add [YOUR NAME} to the sudo group to be able to execute sudo commands such as sudo systemctl start <service>

Steps 3 and 4 are from https://www.digitalocean.com/community/tutorials/how-to-create-a-new-sudo-enabled-user-on-u buntu-18-04-quickstart

Things we need to do:

1. send files to the server (on your pc): put the files in a folder on the desktop called bot from your computer run the terminal and execute:
   `scp /home/xxx/Desktop/stud_watcher/* YOUR_NAME@<ip_address>:/home/YOUR_NAME`
2. install python, pip and packages (on the server):

   commands from here:
https://www.digitalocean.com/community/tutorials/how-to-install-python-3-and-set-up-a-programming-environment-on-an-ubuntu-20-04-server

   1. `sudo apt update`
   2. `sudo apt -y upgrade`
   3. install pip to download packages:
      a. `sudo apt install -y python3-pip`
   4. install web3 to get polygon data:
      a. `python3 -m pip install web3`
   5. install telegram to send telegram data
      a. `python3 -m pip install python-telegram-bot`

3. Set up the service (on server):

1. `sudo vim /etc/systemd/system/horse_bot.service`
2. paste this in:

```
Description=Horse Bot.service After=multi-
user.target

[Service]
Type=simple
ExecStart=/usr/bin/python3 /home/edlee/bot.py
Restart=always
User=edlee

[Install]
WantedBy=multi-user.target
```

3. type :wq to exit
4. to include the service
    a. `sudo systemctl daemon-reload`
5. To start the service
    a. `sudo systemctl start horse_bot`
6. To enable the service on reboot
    `a.sudo systemctl enable example.service`
7. To check if the service is active:
    `a.sudo systemctl status example.service`
8. We may need to check the logs if it fails:
    a. `journalctl -u horse_bot.service`

Some of the service commands are here:
https://www.shubhamdipt.com/blog/how-to-create-a-systemd-service-in-linux/