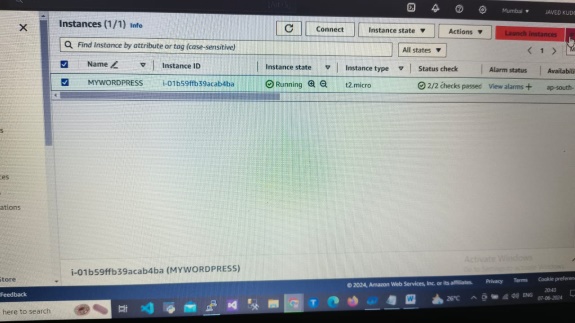
**Deploying a monolithic WordPress setup on a single EC2 instance involves installing both WordPress and MySQL on the same instance.**

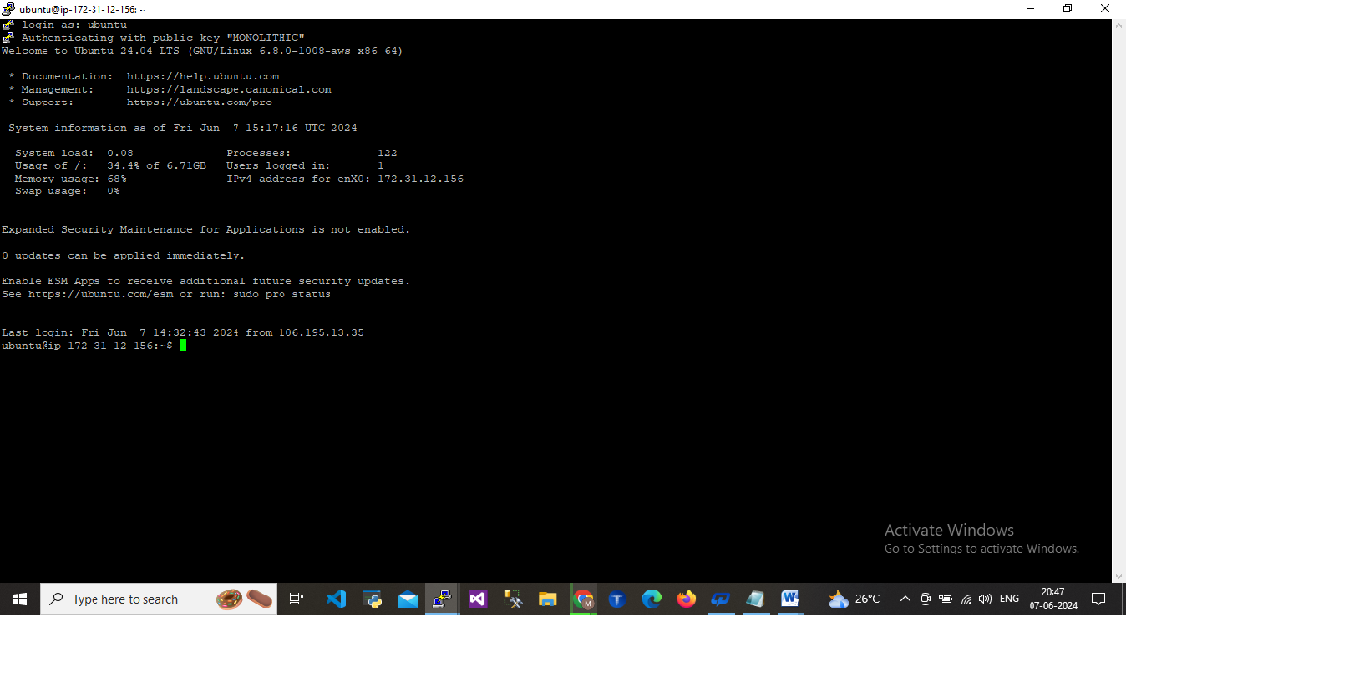
**1. Launch an EC2 Instance**

* \*\*Log in to your AWS Management Console.\*\*
* Navigate to the EC2 Dashboard and click "Launch Instance."
* Choose an Amazon Machine Image (AMI) with Ubuntu (e.g., Ubuntu Server 20.04 LTS).
* Select an instance type (e.g., t2.micro for the free tier).
* Configure instance details, add storage, and configure security groups to allow HTTP (port 80) and SSH (port 22) access.
* Launch the instance and connect to it via SSH.



**2. Connect to Your EC2 Instance:**

Use SSH to connect to your EC2 instance. Replace `your\_key.pem` with your key file and `ec2-user@your\_ec2\_ip` with your EC2 instance's public IP.



ssh -i your\_key.pem ubuntu@your\_ec2\_ip

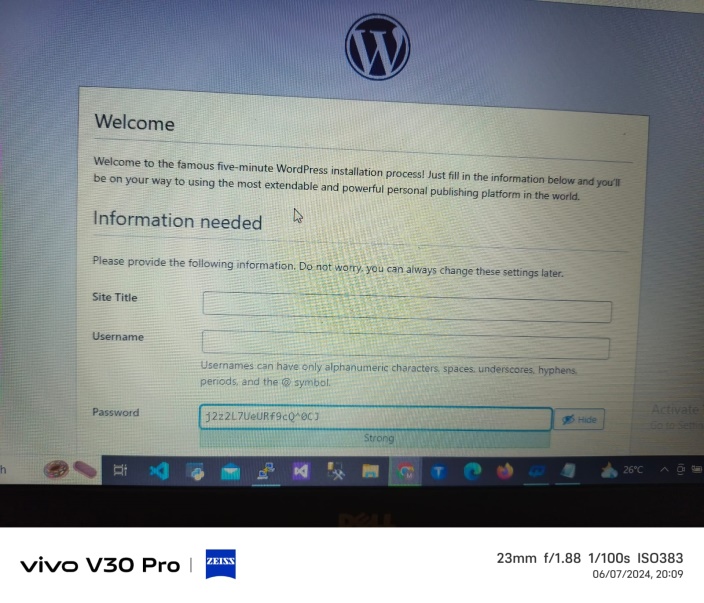
**3. MySQL, and PHP :**

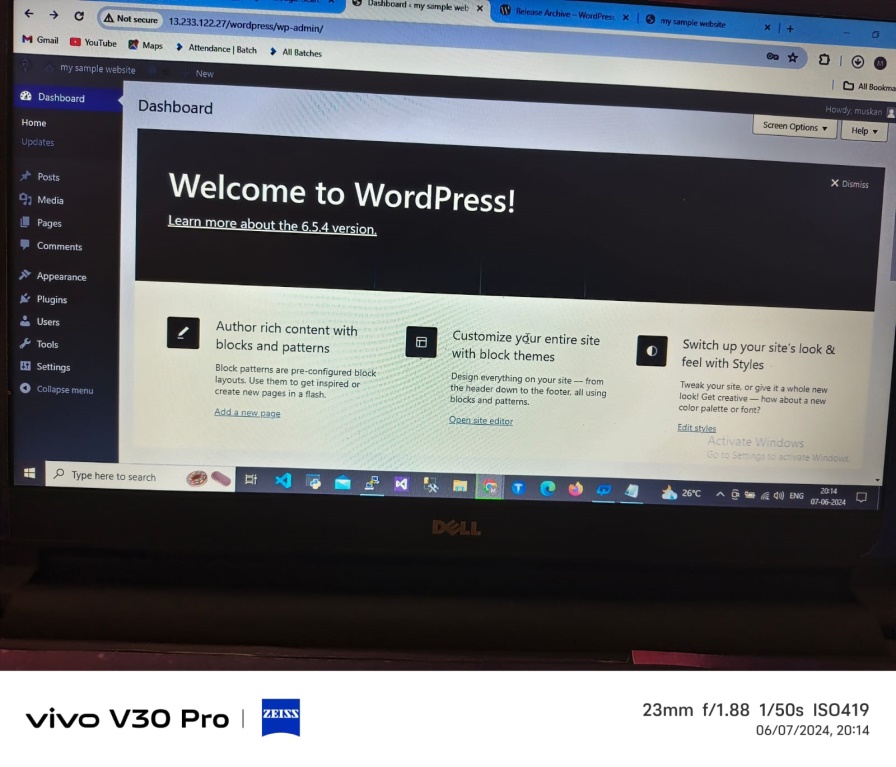
Once connected to your EC2 instance, update the package lists and install the necessary software:

* 1)ubuntu
* 2)sudo apt install apache2
* 3) sudo apt install php libapache2-mod-php php-mysql
* 4)sudo apt install mysql-server
* 5)sudo mysql -u root
* 6)ALTER USER 'root'@localhost IDENTIFIED WITH mysql\_native\_password BY 'Parth@1234';
* 7)CREATE USER 'wp\_user'@localhost IDENTIFIED BY 'Parth@1234';
* 8)CREATE DATABASE wp;
* 9)GRANT ALL PRIVILEGES ON wp.\* TO 'wp\_user'@localhost;

**4. Install and Configure WordPress:**

WORDPRESS INSTALLATION

* cd /tmp
* wget https://wordpress.org/wordpress-6.5.4.tar.gz
* tar -xvf wordpress-6.5.4.tar.gz
* sudo mv wordpress/ /var/www/html/
* cd /var/www/html/
* ls
* go to chrome and paste public ip address and add/wordpress
* click on lets go then but database name : wp
  + username :wp\_user
  + password: Parth@1234
  + database host:localhost
* come back to terminal and copy paste the code that they have give in the file or create new file by following command
* cd wordpress/
* nano wp-config.php
* paste that code and save it and run that installation
* come back to browser and fill the necessary fields and you will find login page
* 
* login and you can see wordpress
* create the welcome page on that by clicking on new page



**6. Create a Welcome Page in WordPress:**

1**. Log in to the WordPress Dashboard:**

- Navigate to `http://your\_ec2\_instance\_ip/wp-admin` and log in with the credentials you set up during the installation.

**2. Create a New Page:**

- Go to "Pages" > "Add New."

- Title your page "Welcome" and add your desired content.

- Click "Publish" to publish the page.

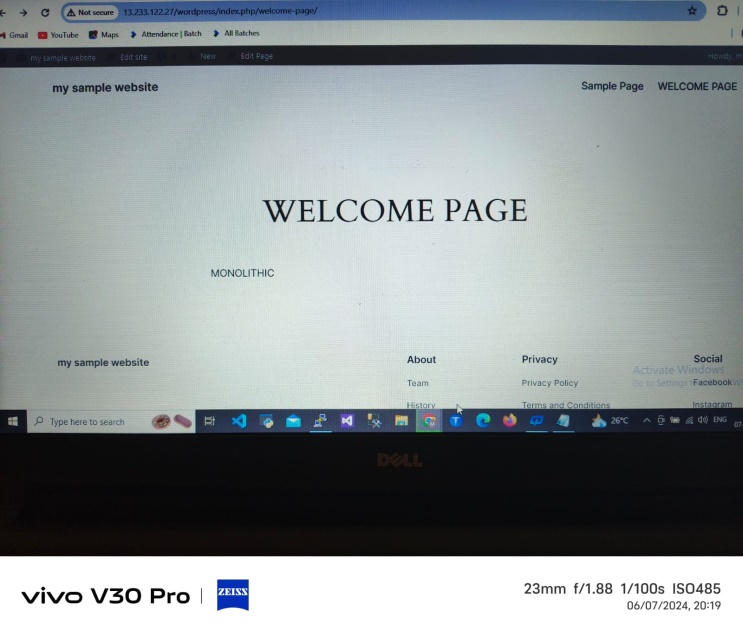
**3. Set the Welcome Page as the Front Page:**

- Go to "Settings" > "Reading."

- Under "Your homepage displays," select "A static page."

- Choose your newly created "Welcome" page from the dropdown menu.

- Save your changes.



**Deploying a microservices WordPress setup on a two EC2 instance involves installing both WordPress and MySQL on two different instance.**

* It same procedure as above just have to create two different ec2 instance 1 for my sql and 2nd for wordpress
* In wordpress ec2 instance install wordpress as per above commands
* In mysql ec2 instance install mysql as above installation
* The only difference is you have to connect these two instance
* You have to paste private ip of mysql in wordpress localhost db name