D Y PATIL INTERNATIONAL UNIVERSITY
AKURDI PUNE

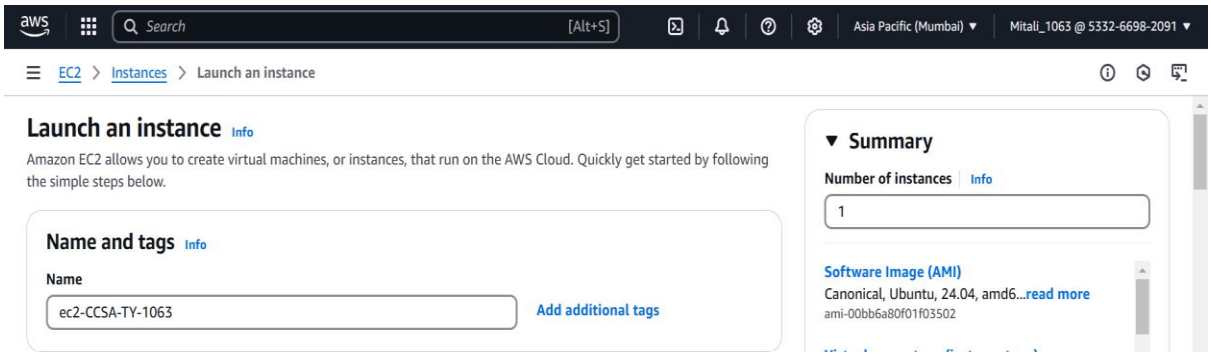
School of Computer Science, Engineering and Applications (SCSEA)
B.C.A. TY (CCSA)
Subject: Containers & Orchestration

Name of the Student: **Mitali Bhattad** **PRN: 20220801063**

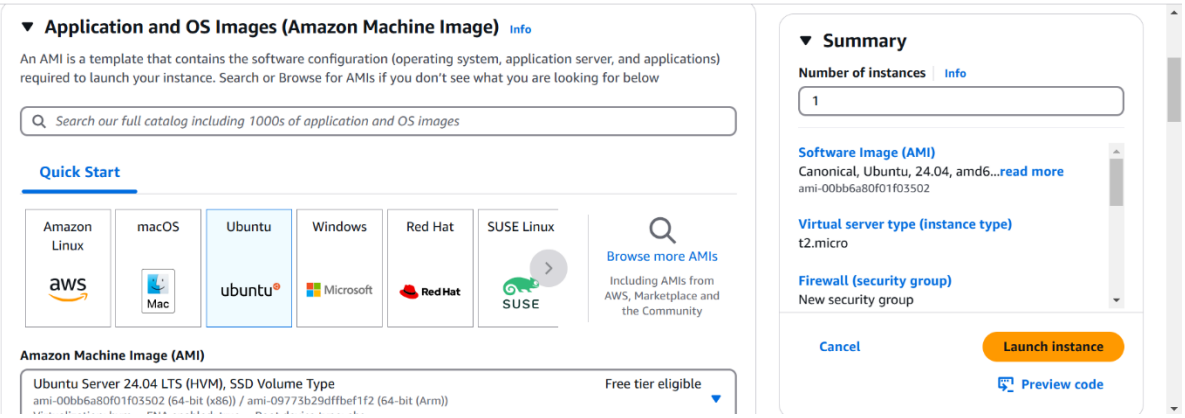
Title of Practical: **Configure Docker Community Latest version edition on cloud based instance verify the docker version**

Step1: Launch an EC2 Instance

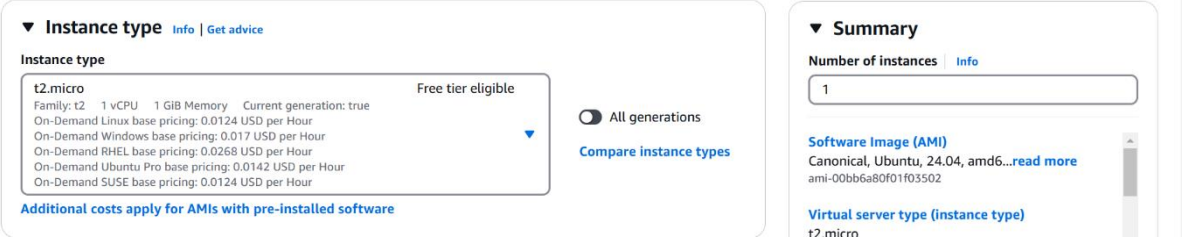
- Name the Instance



- Choose AMI: Ubuntu



- Select the instance type: t2 micro



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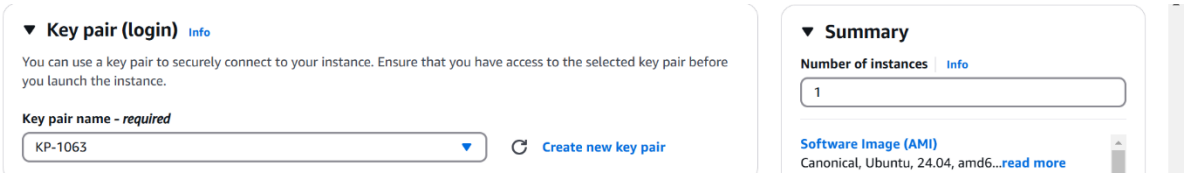
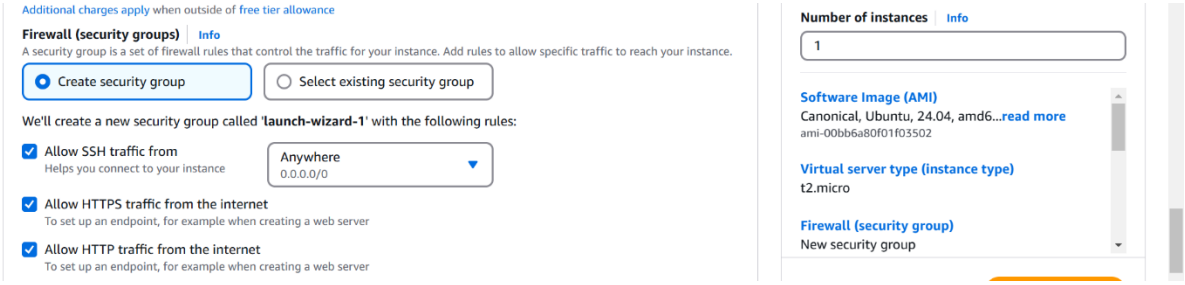
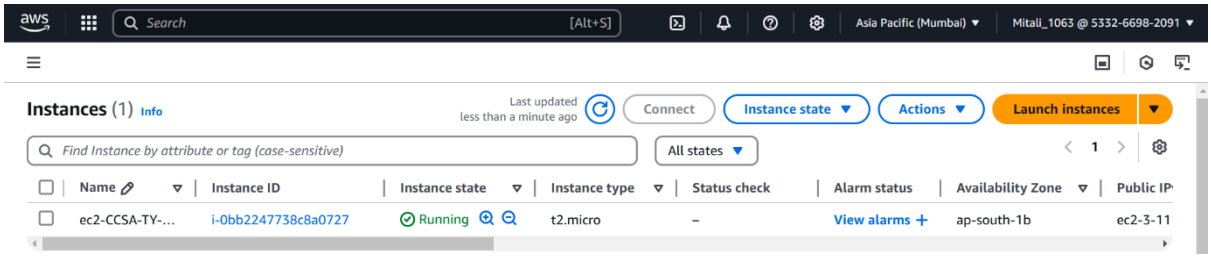
- Create a Key pair



- Security Group: Allow all the traffic



- Launch the instance

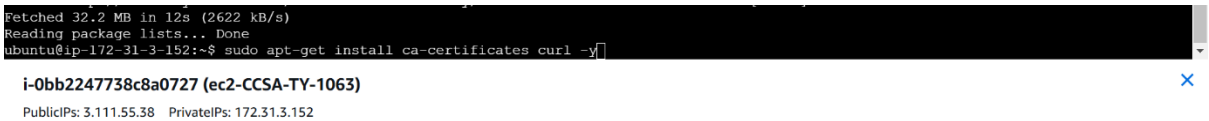


Step 2: Connect the EC2 Instance and run the following commands:

1. Set up Docker's apt repository.

-sudo apt-get update -y

-sudo apt-get install ca-certificates curl -y



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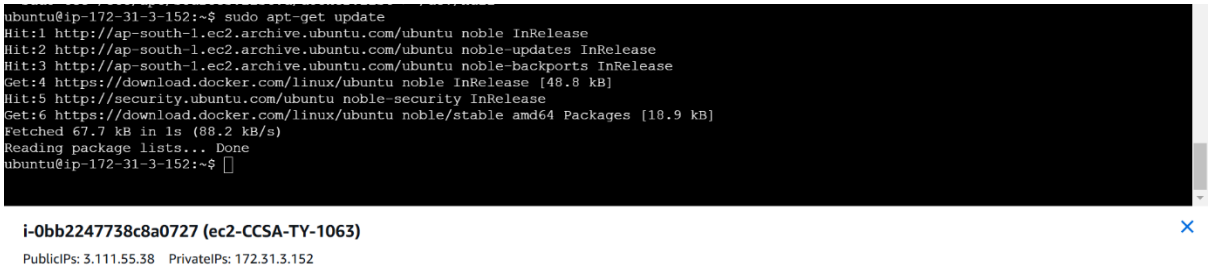
-sudo install -m 0755 -d /etc/apt/keyrings

-sudo curl -fsSL https://download.docker.com/linux/ubuntu/gpg -o /etc/apt/keyrings/docker.asc

-sudo chmod a+r /etc/apt/keyrings/docker.asc

-echo \
"deb [arch=$(dpkg --print-architecture) signed-by=/etc/apt/keyrings/docker.asc] https://download.docker.com/linux/ubuntu \
$(. /etc/os-release && echo "$VERSION_CODENAME") stable" | \
sudo tee /etc/apt/sources.list.d/docker.list > /dev/null

-sudo apt-get update



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2. Install the Docker packages.
   -sudo apt-get install docker-ce docker-ce-cli containerd.io docker-buildx-plugin docker-compose-plugin

```
ubuntu@ip-172-31-3-152:~$ sudo apt-get install docker-ce docker-ce-cli containerd.io docker-buildx-plugin docker-compose-plugin
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
```

3. To verify the docker installation:
   Run the following commands:
   - docker -v

```
ubuntu@ip-172-31-3-152:~$ docker -v
Docker version 27.5.1, build 9f9e405
ubuntu@ip-172-31-3-152:~$
```

i-0bb2247738c8a0727 (ec2-CCSA-TY-1063)

PublicIPs: 3.111.55.38 PrivateIPs: 172.31.3.152