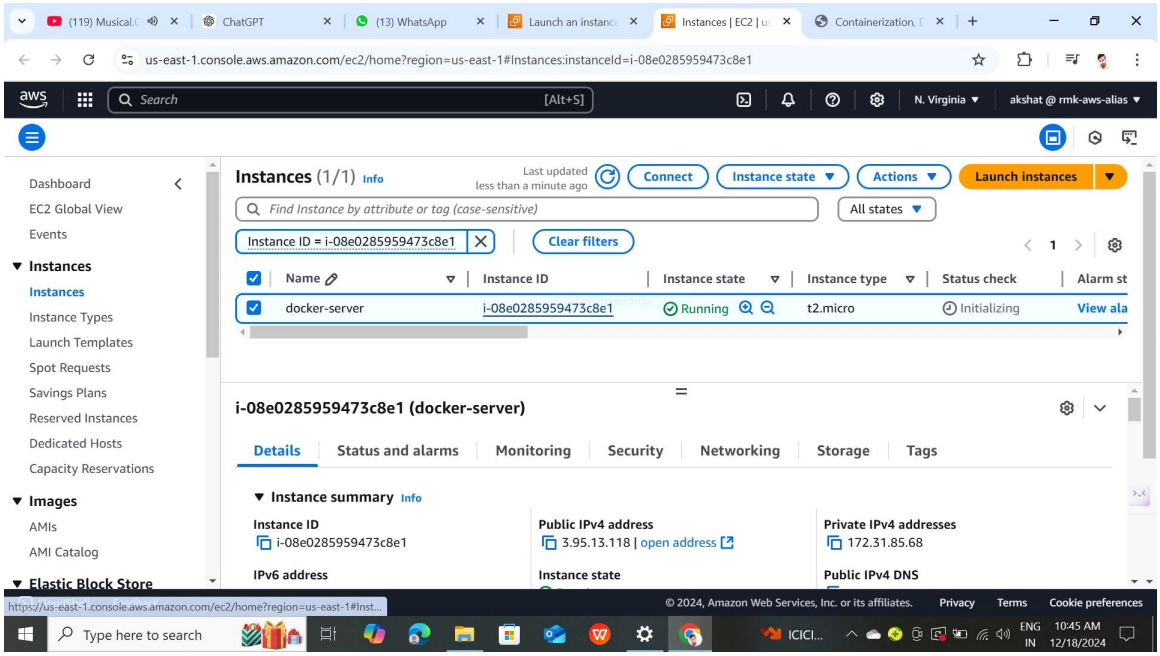
REDDY PRAKASH

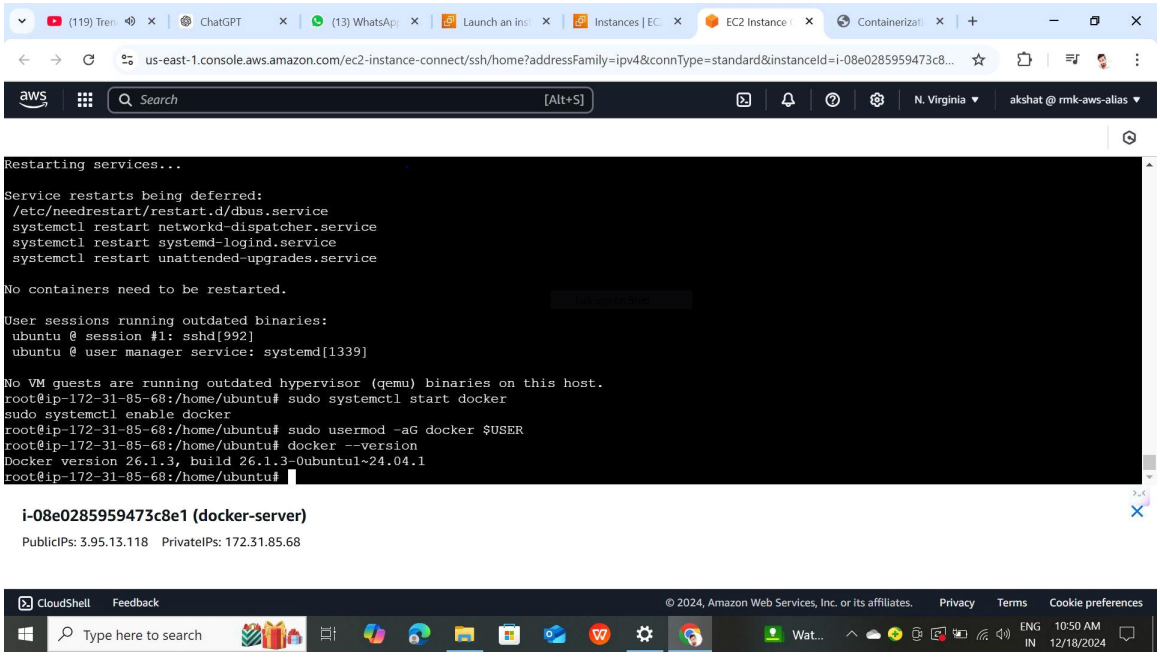
Assignments Containerization, Docker, and Docker Hub

1. L1 - Create Docker file and build the docker container Application Image for the application build in Jenkins Module

Successfully create a instance with name docker-service

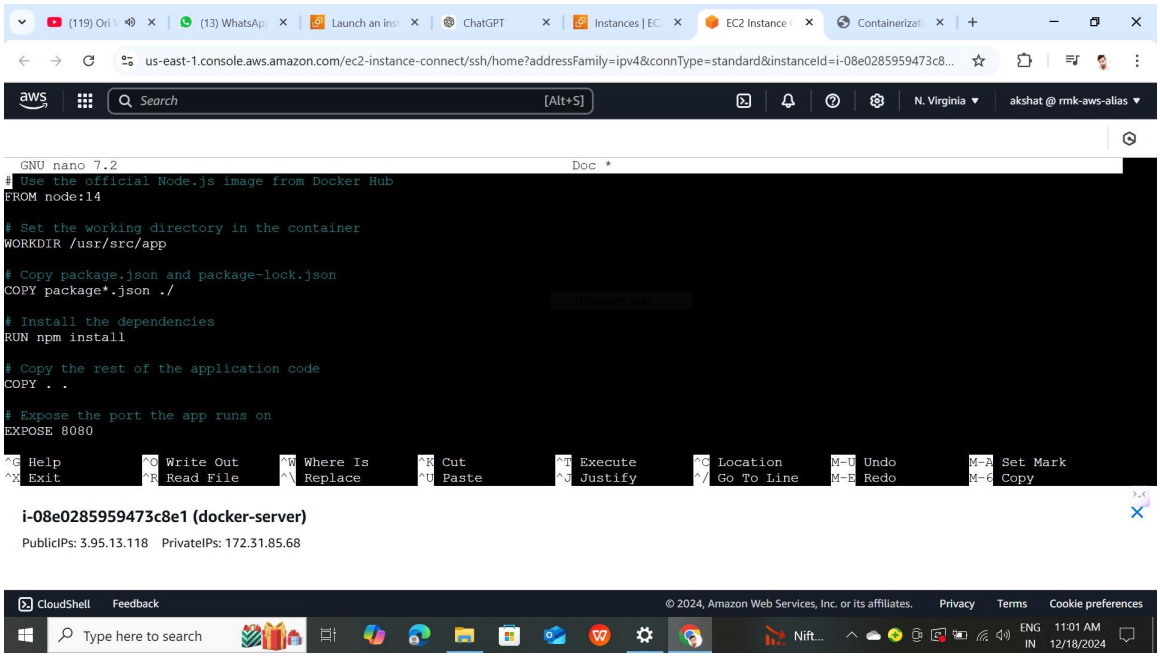


Successfully update packages and install docker



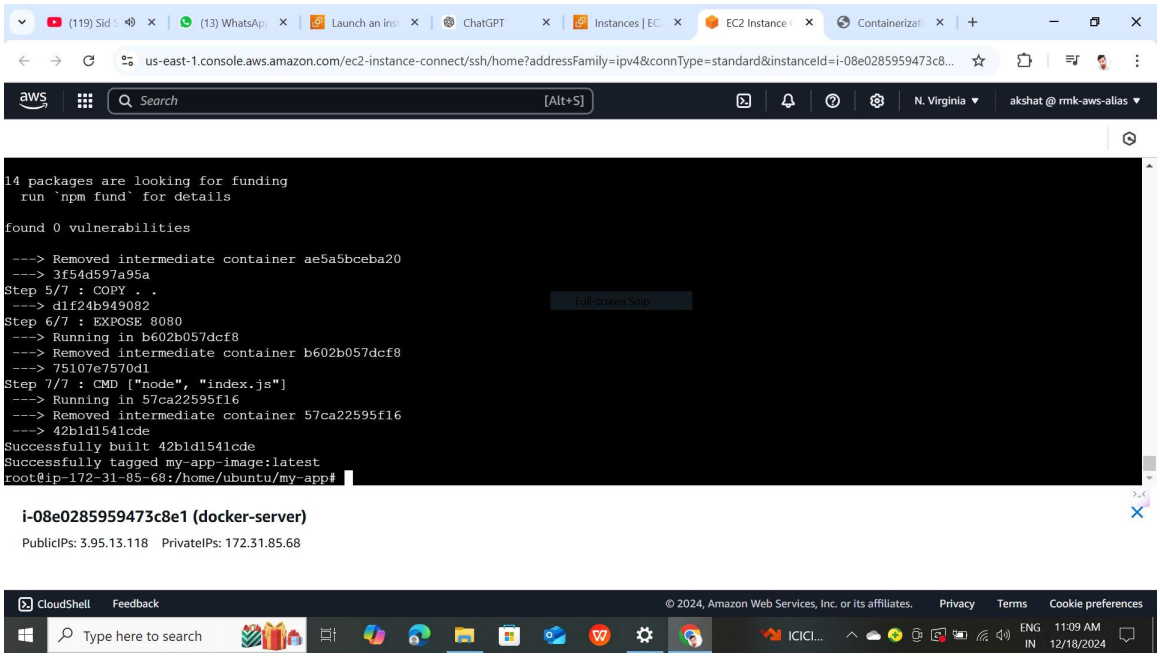
- we say the docker version 26.1.3

Successfully create docker file for json application

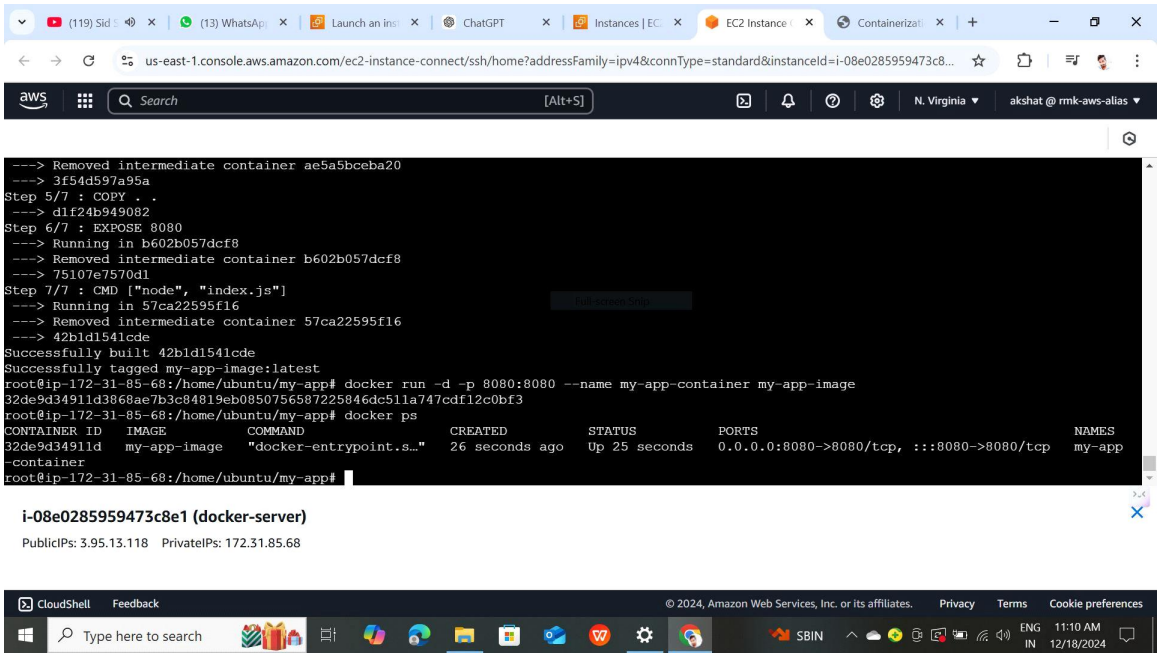


- Expose the port 8080 through internet

Build the docker image successfully for jenkins application model



we successfully create a container by using docker image

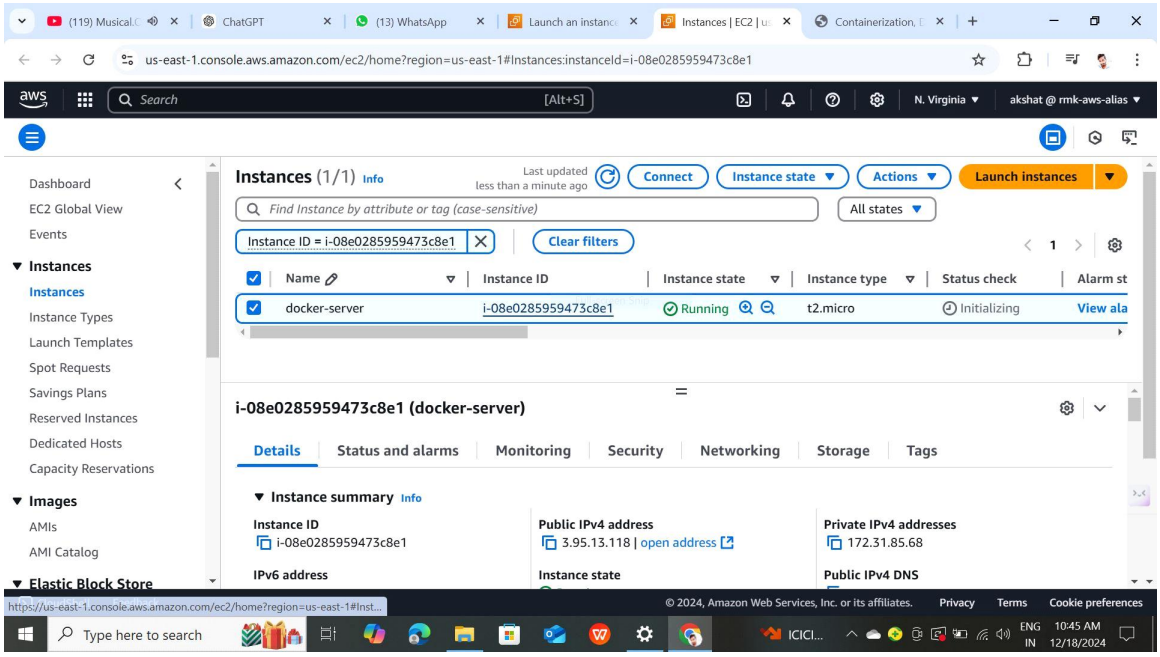


2. L2 - Create the Container using the same

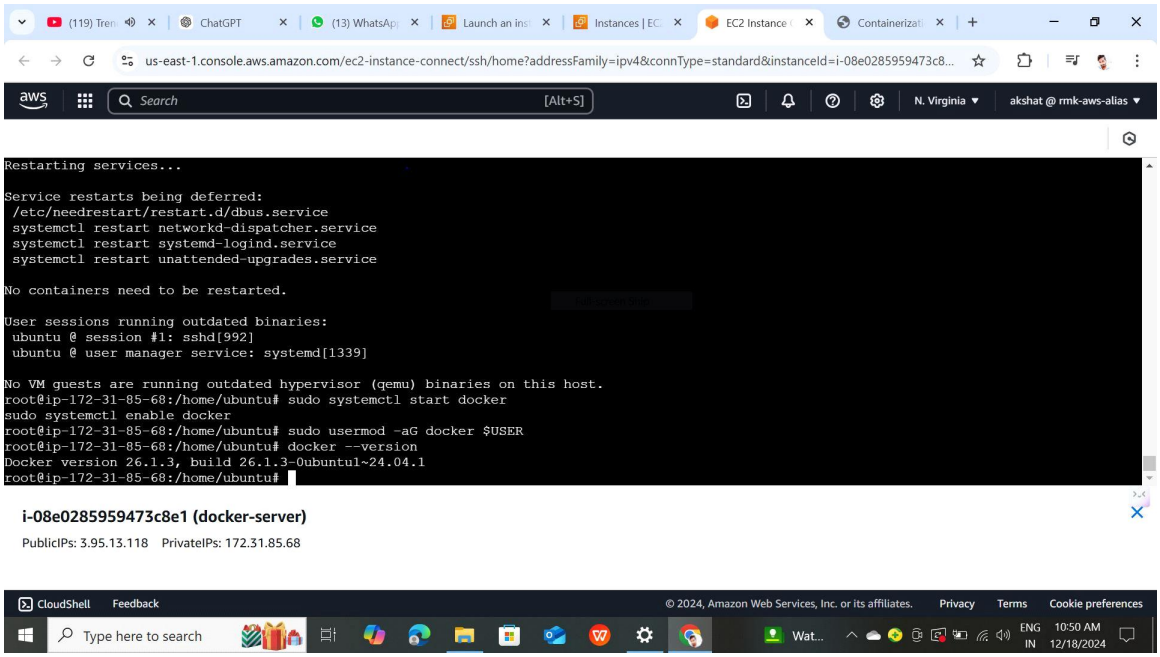
Application Image and run the application in a

Web Browser using container port mapping

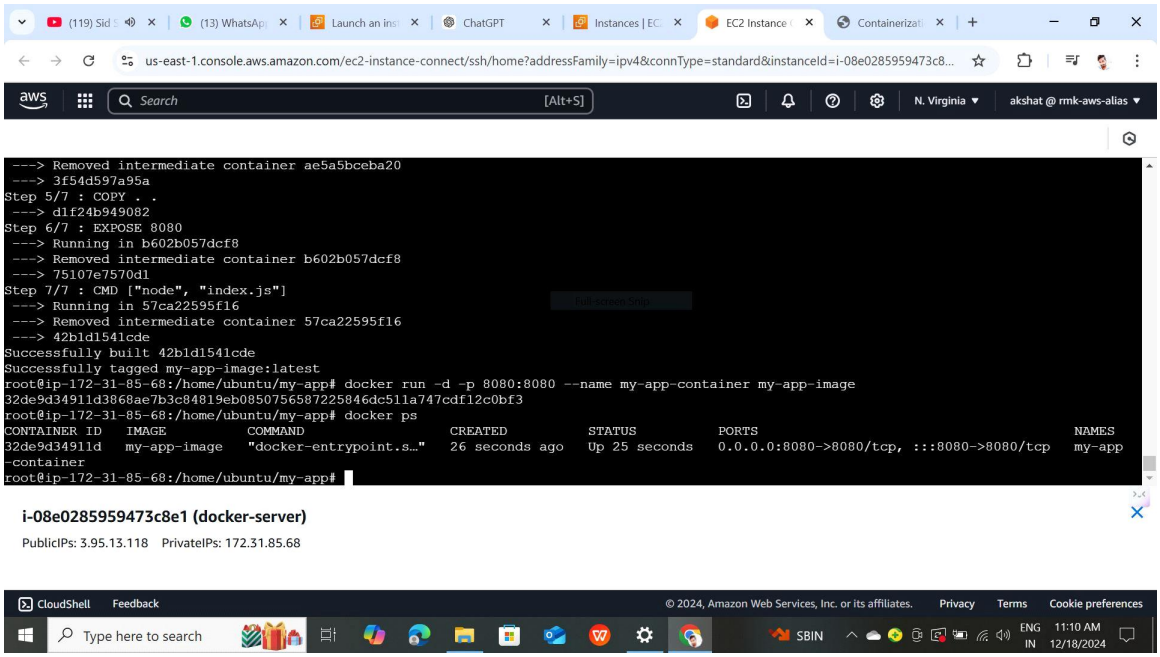
Successfully launch the instance with name docker-server



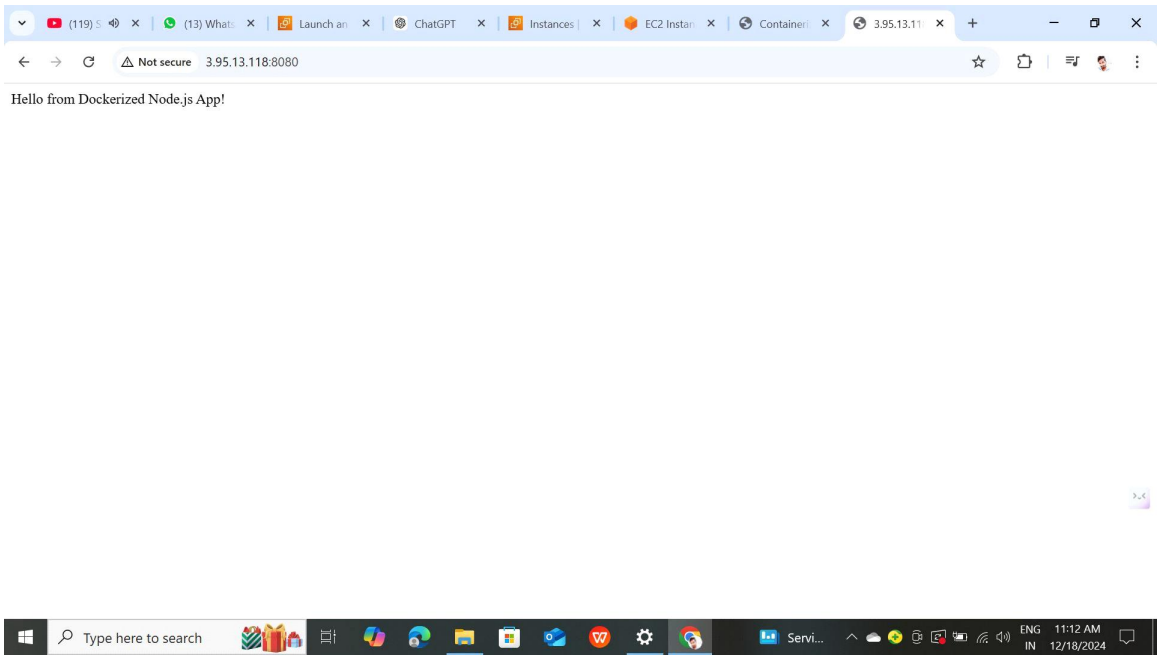
install docker and update package



create image and build the container with expose port 8080

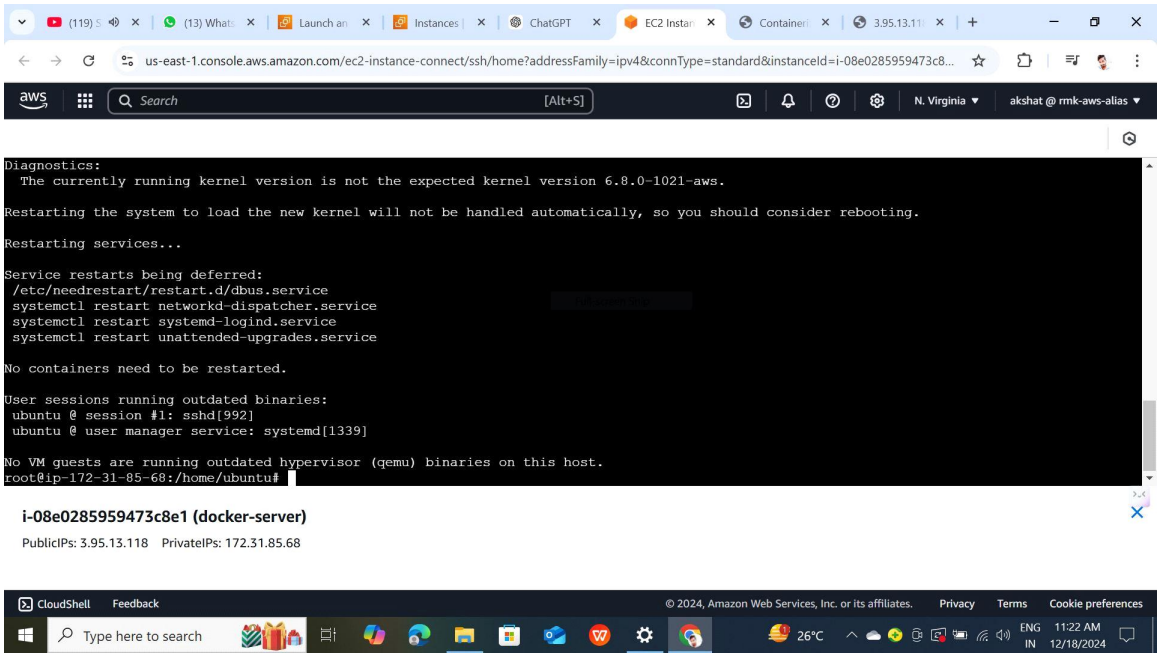


Successfully access application through internet port 8080



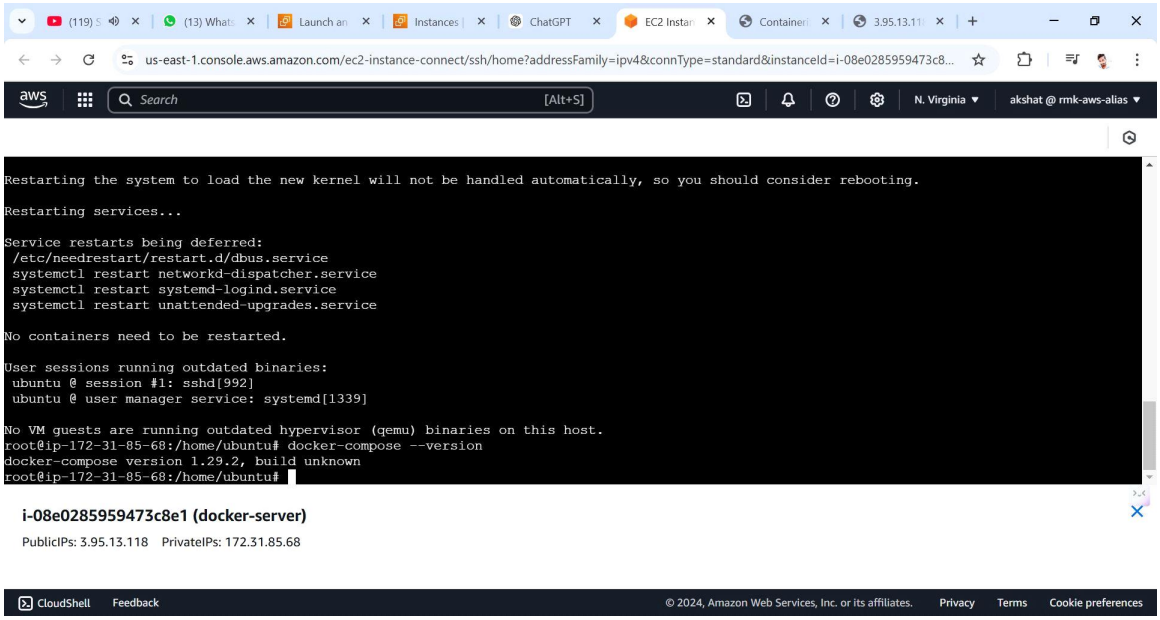
3. L3 - Demonstrate Docker Compose using the Application Image and MySQL Image to start and stop all container services

i use same instance to install docker compose and mysql data base and also update packages

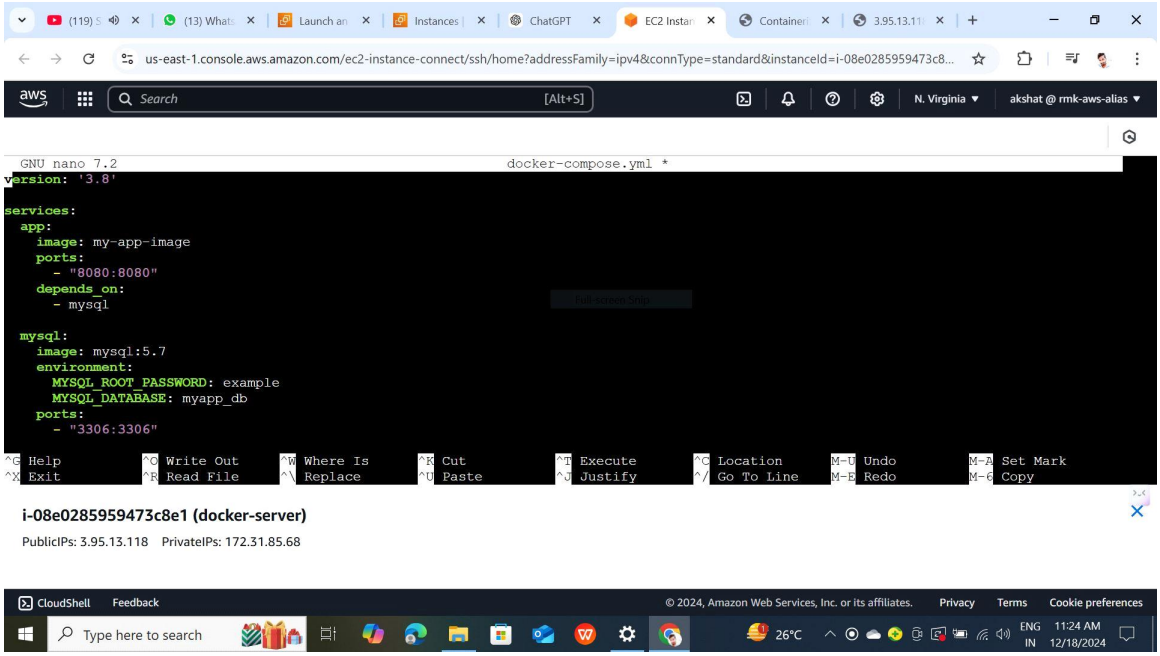


- Successfully install docker-compose

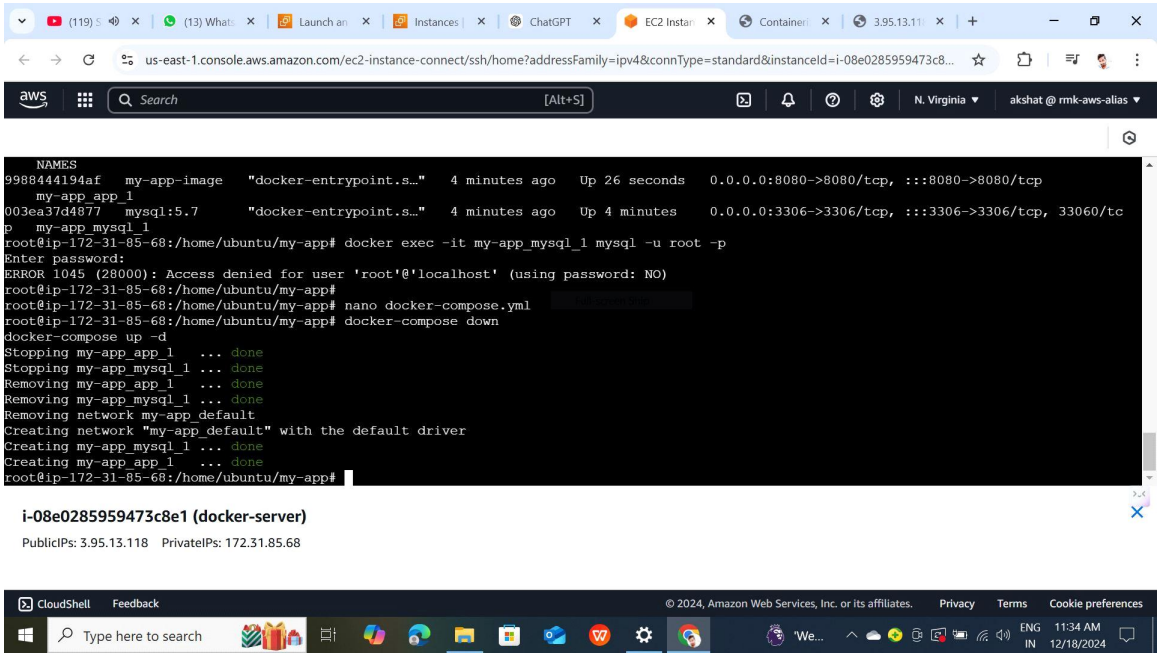
with the help of docker --version commd to find version of docker-compose



Successfully create docker-compose file with js application

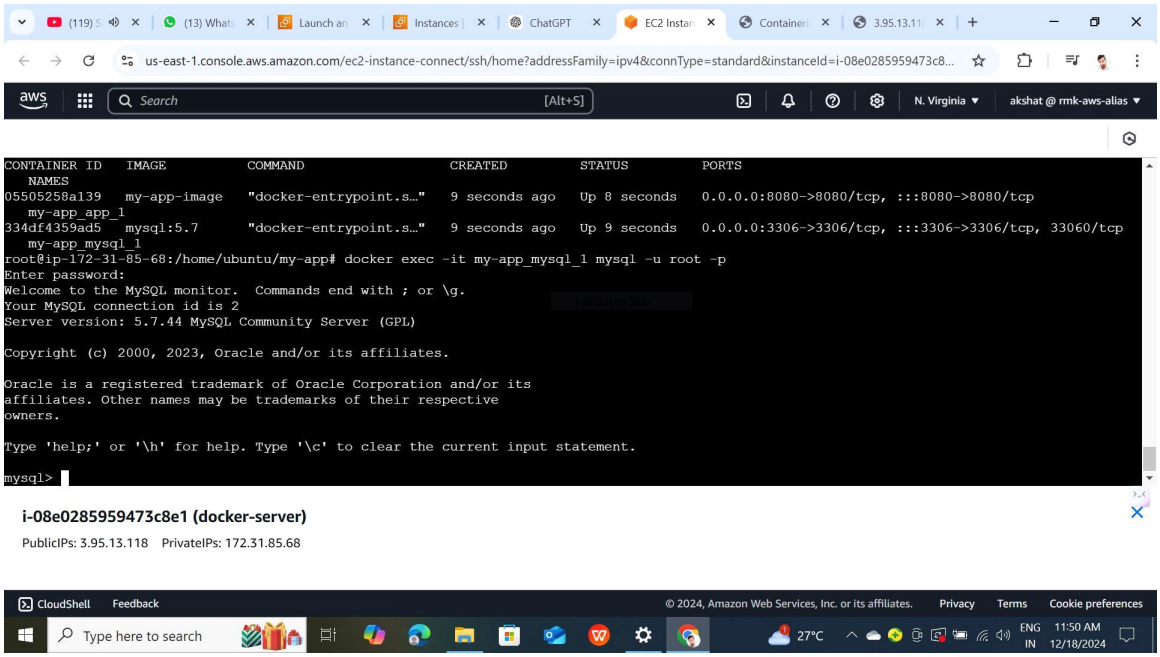


Successfully build two container docker-compose and MySql container



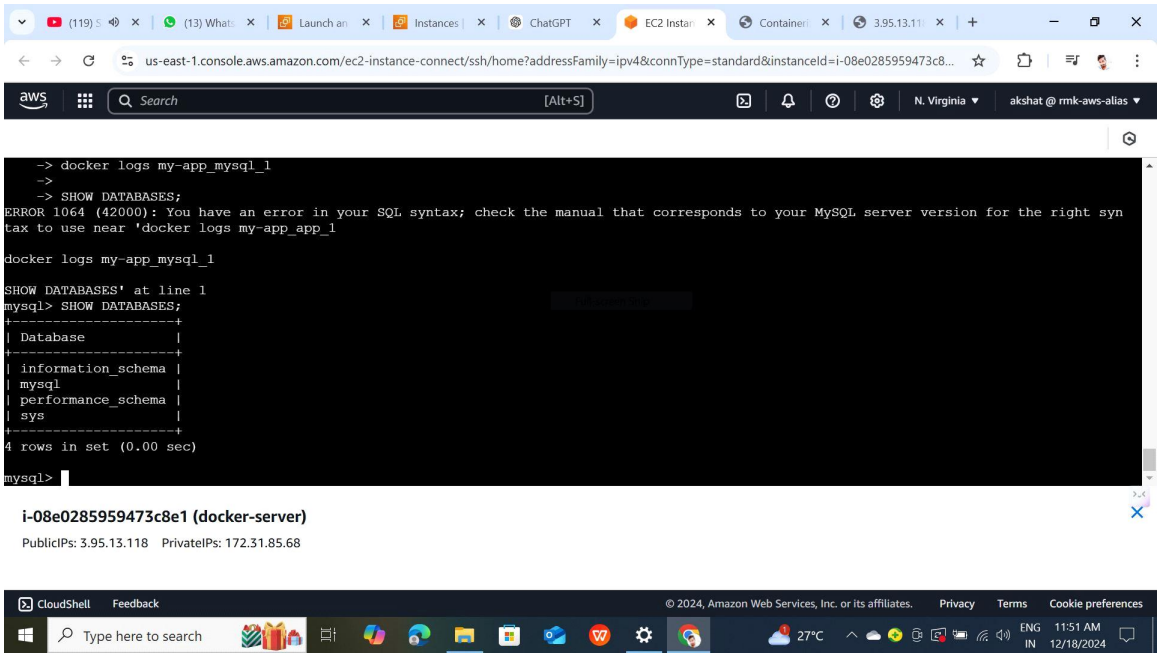
Above figure we saw create container and start and stop the containers

Successfully login mysql database container

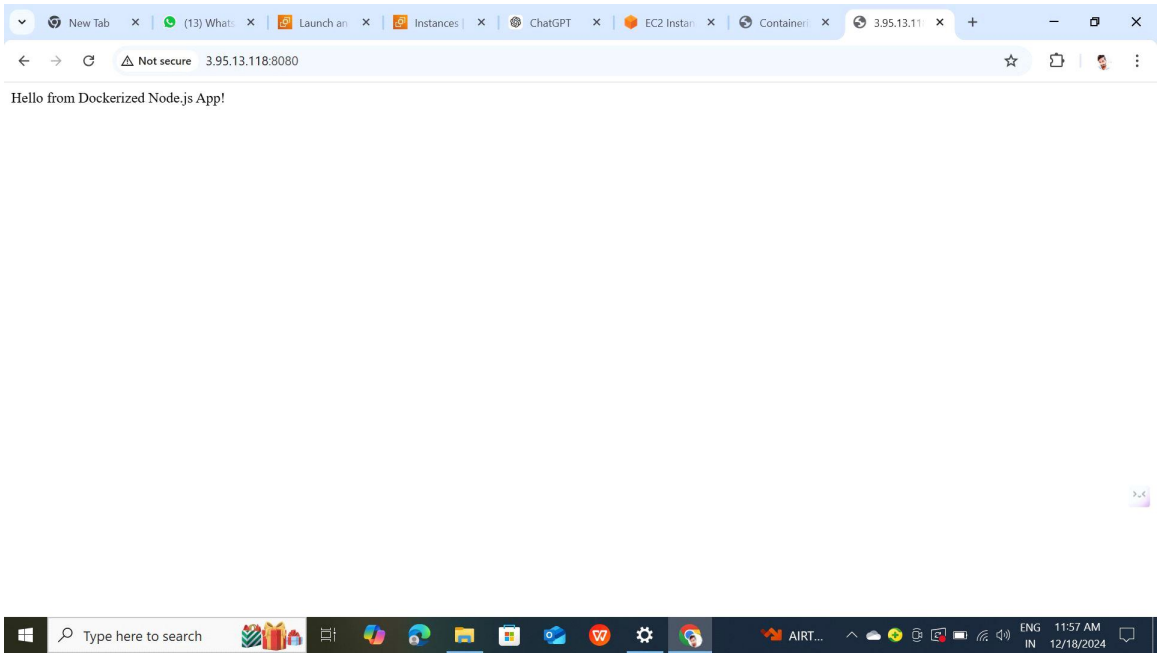


- Successfully login the container

with help of SHOW DATABASE commd we show database history



Successfully access application through port 8080



THANK YOU