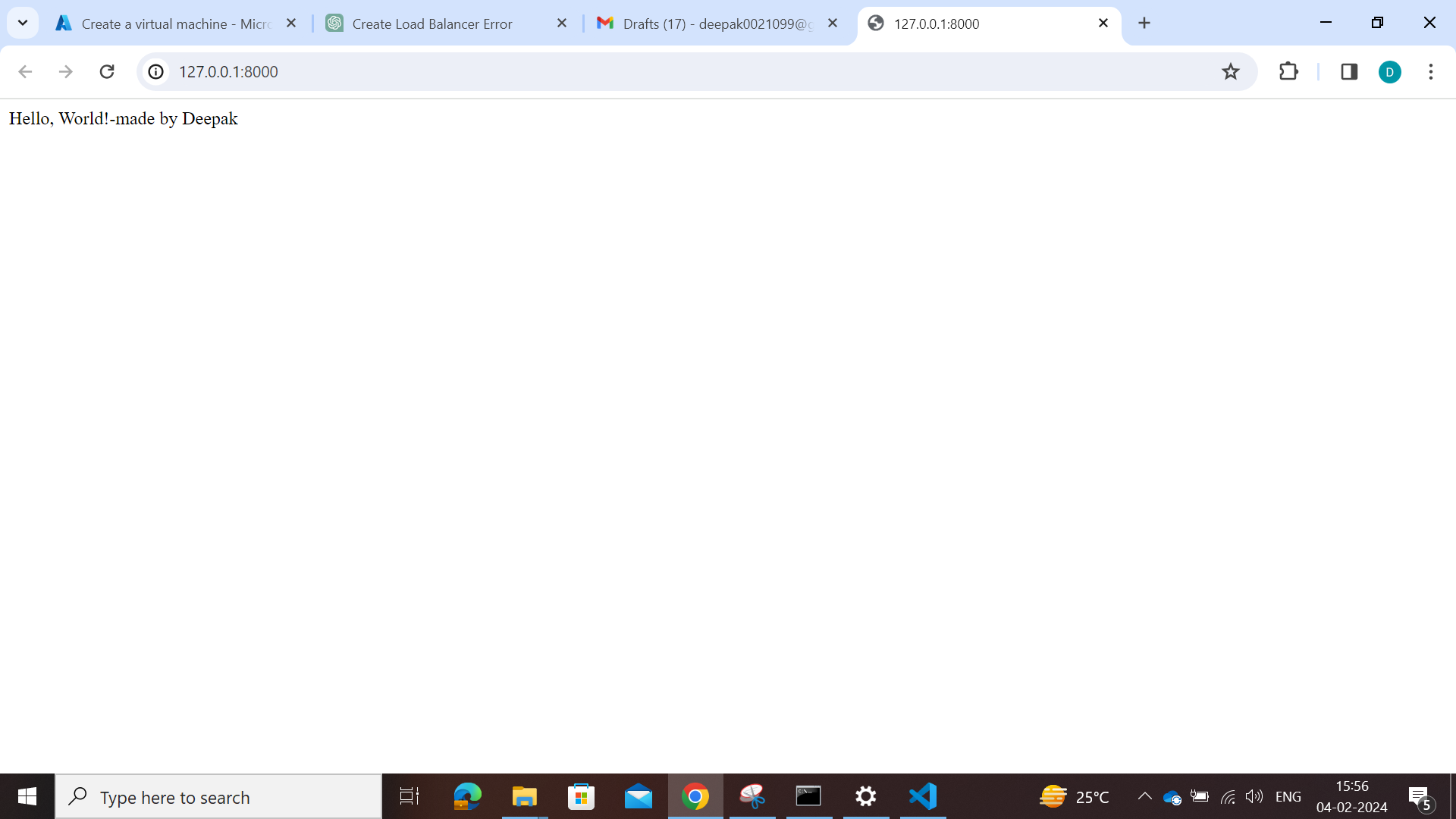
Efficient Django Deployment :Dockerized Application on Azure vm

**Django Sample Application Myhelloworld run in local environment:**



**Django application github link:** <https://github.com/Deepakksincedo/Deepak_mssql_project/tree/971543a10a1baa42382eeba07250a9cfbd729286>

**Order and connect vm:**

az vm create \

--resource-group MyResourceGroup \

--name MyVMDeepak \

--image Ubuntu2204 \

--admin-username azureuser \

--size Standard\_D4s\_v3 \

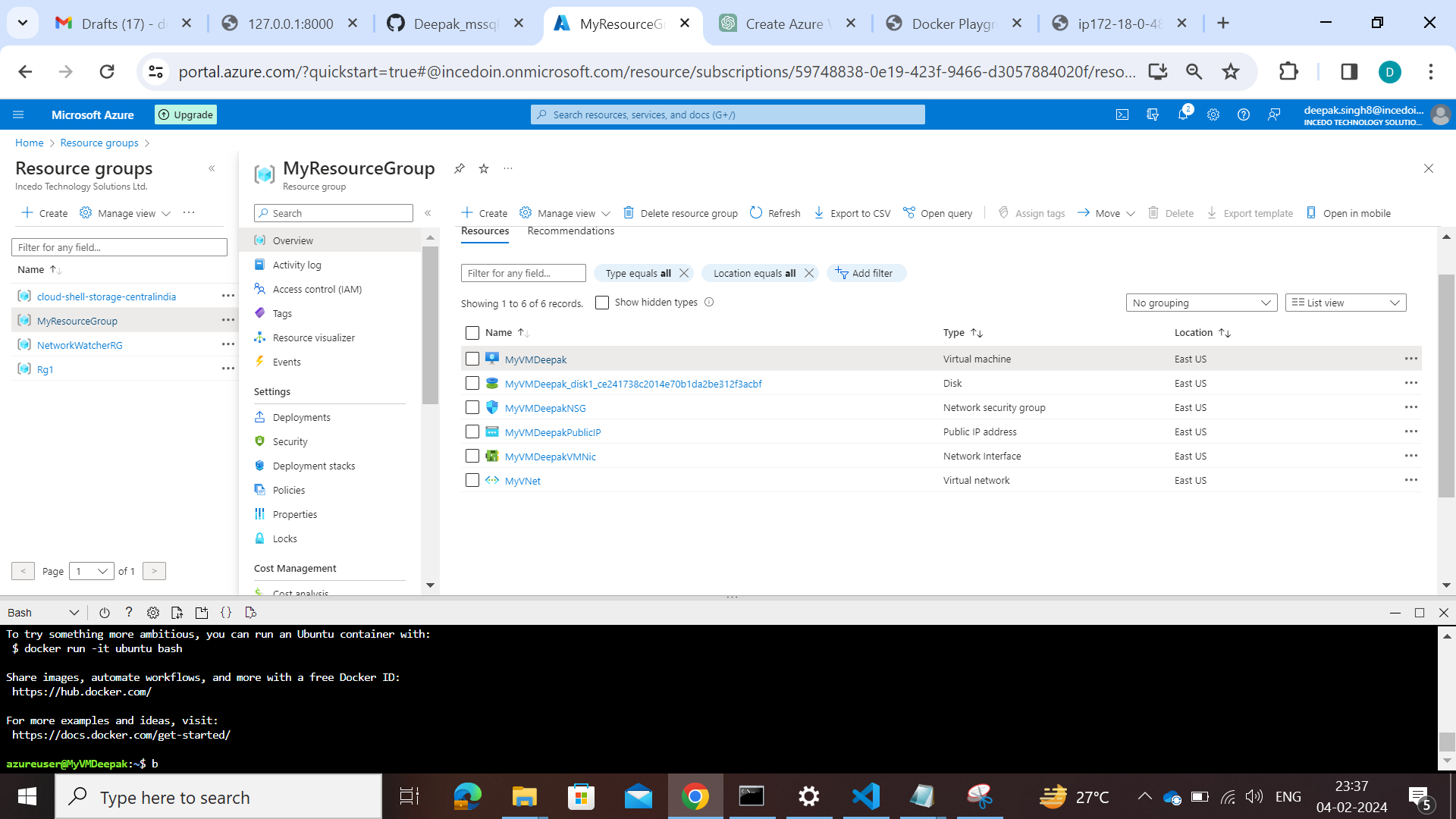
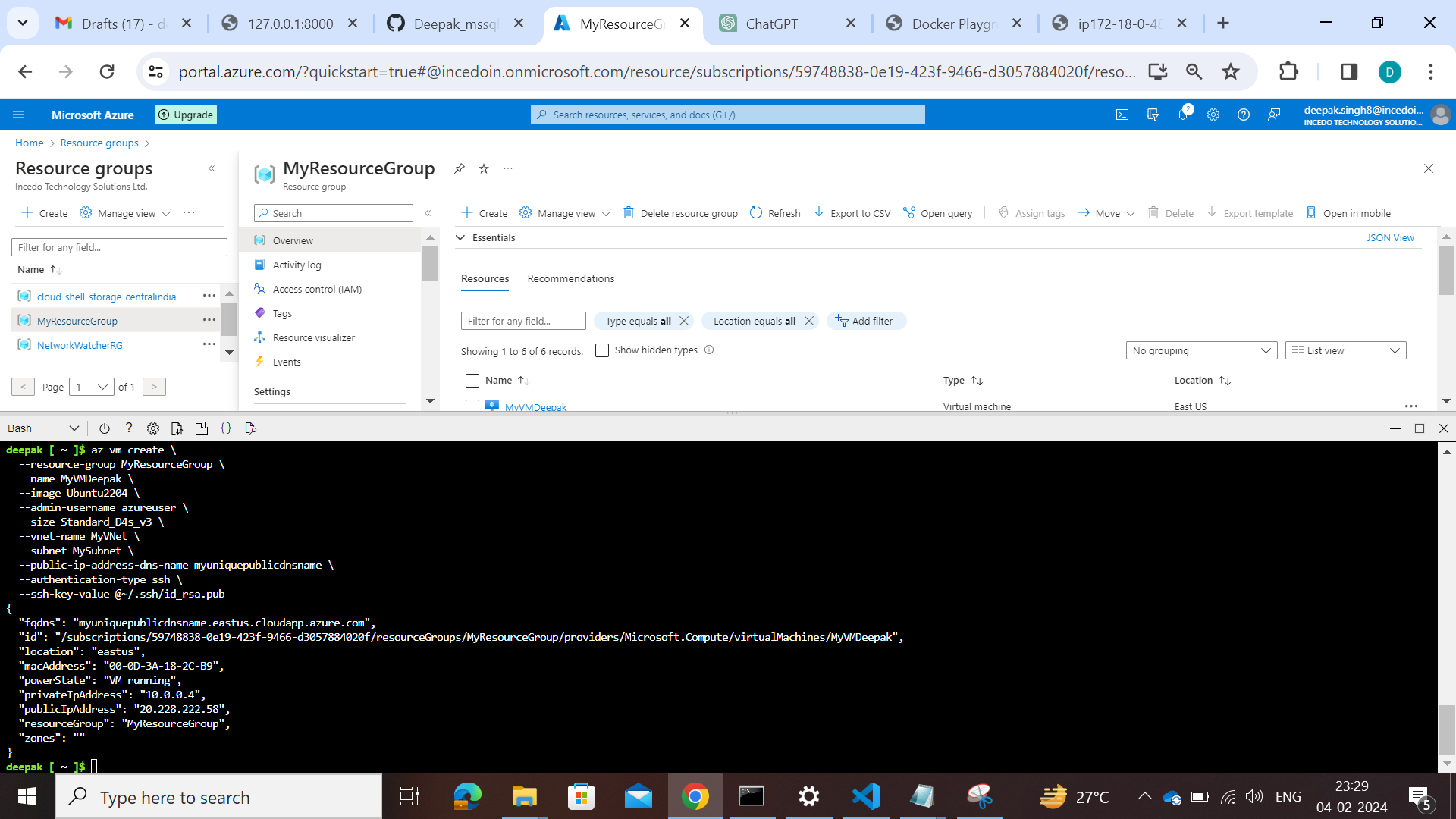
--vnet-name MyVNet \

--subnet MySubnet \

--public-ip-address-dns-name myuniquepublicdnsname \

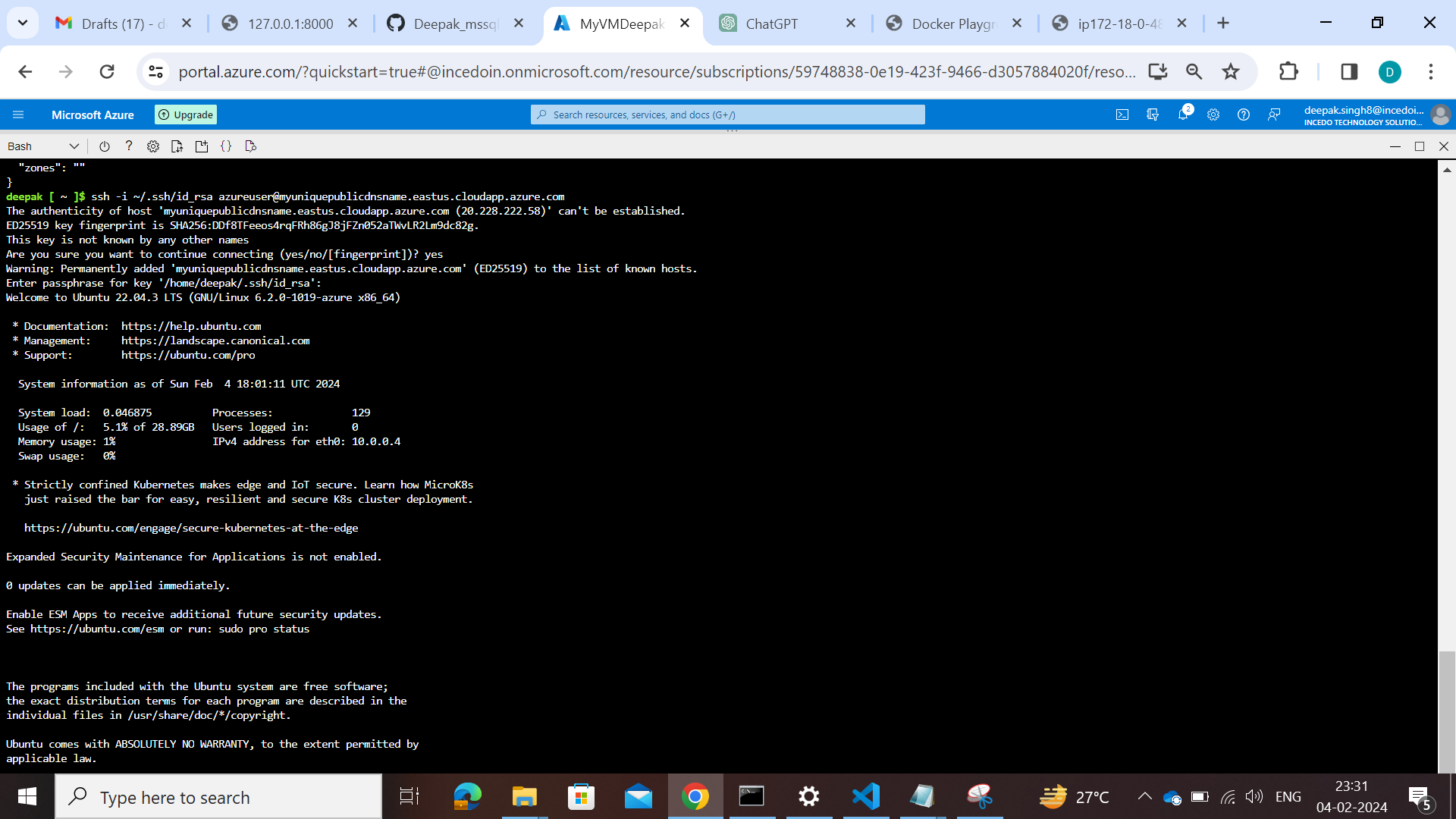
--authentication-type ssh \

--ssh-key-value @~/.ssh/id\_rsa.pub



**Connect through ssh key:**

ssh -i ~/.ssh/id\_rsa azureuser@myuniquepublicdnsname.eastus.cloudapp.azure.com



**Installing Docker on Azure VM:**

sudo apt-get update

sudo apt-get install apt-transport-https ca-certificates curl software-properties-common

curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo apt-key add -

sudo apt-key fingerprint 0EBFCD88

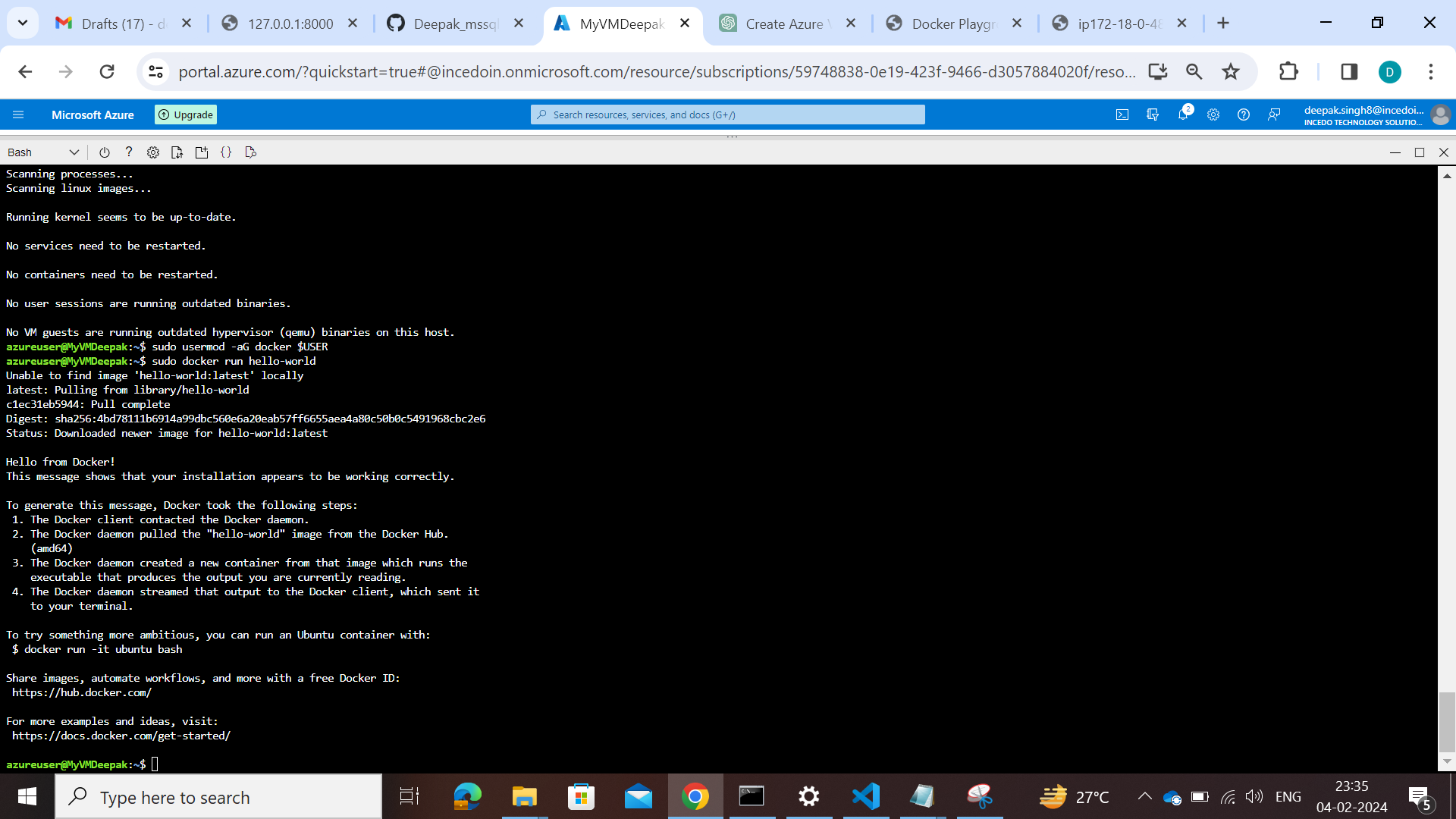
sudo add-apt-repository "deb [arch=amd64] https://download.docker.com/linux/ubuntu $(lsb\_release -cs) stable"

sudo apt-get update

sudo apt-get install docker-ce docker-ce-cli containerd.io

sudo usermod -aG docker $USER

sudo docker run hello-world



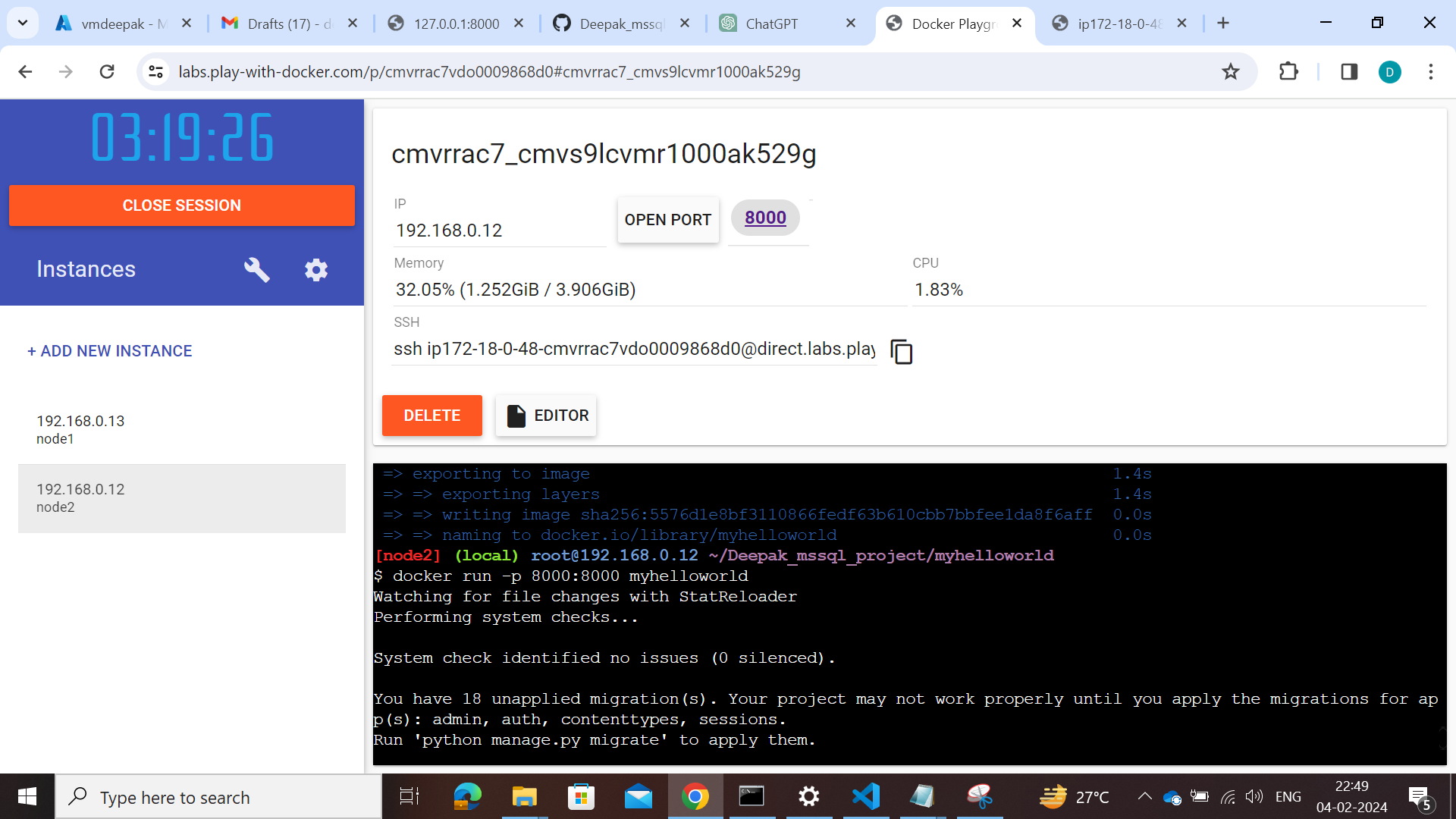
**Django Application Dockerization using Dockerplayground:**

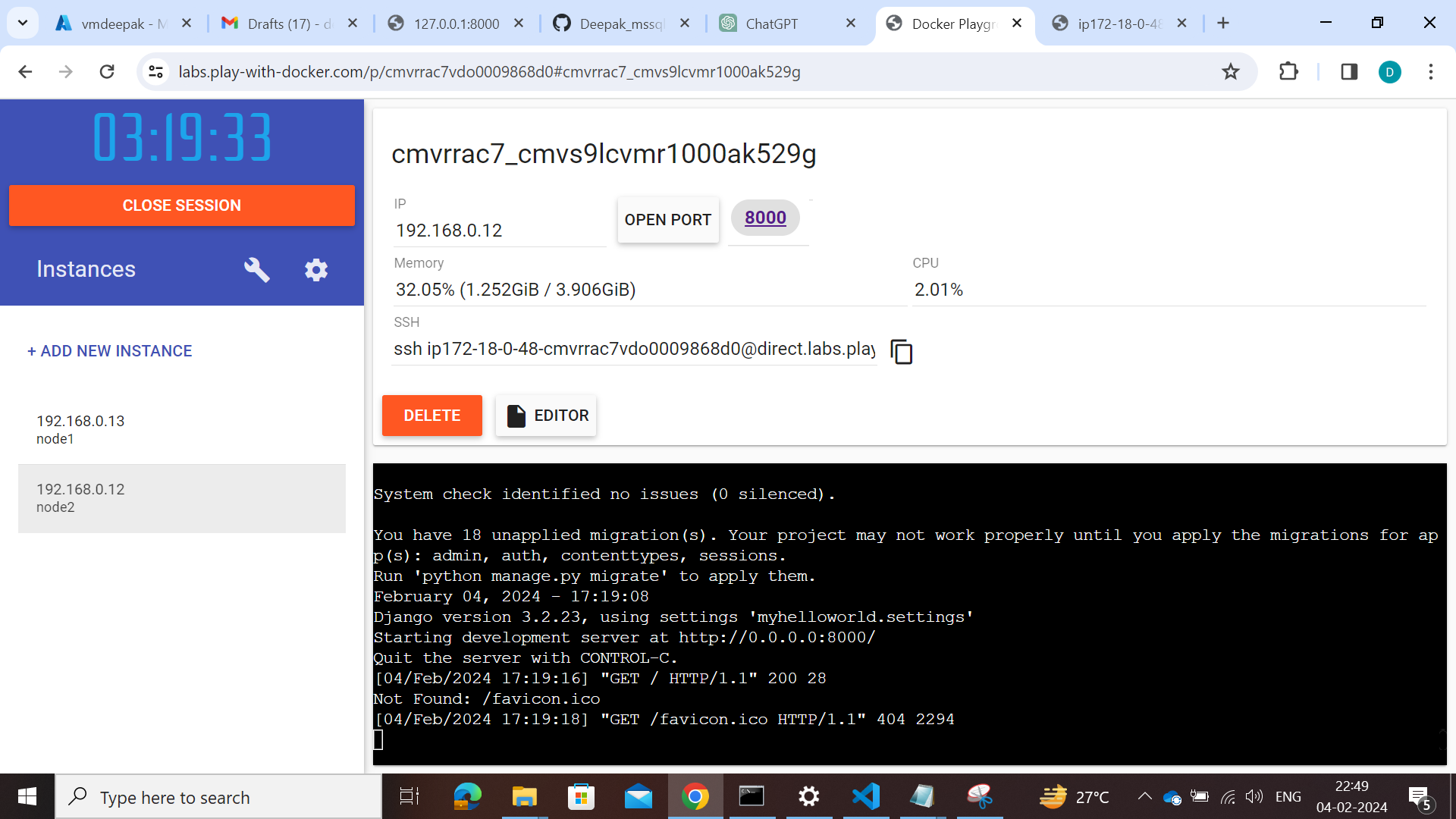
Git clone <https://github.com/Deepakkksincedo/Deepak_mssql_project.git>

Cd Deepak\_mssql\_project

Cd myhelloworld

Docker build –t myhelloworld .

Docker run –p 8000:8000 myhelloworld



**Output:**

