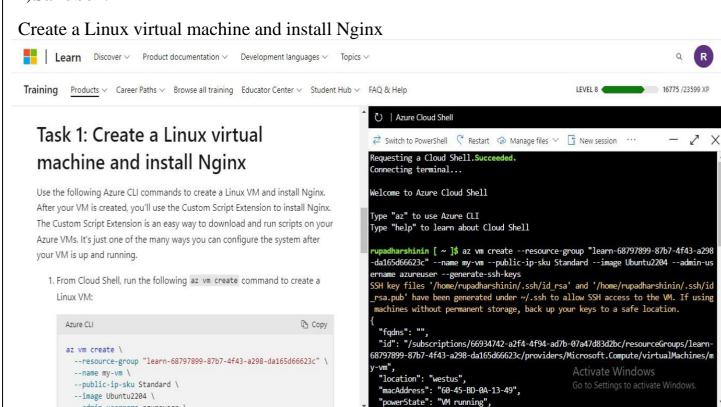
REPORT ON MICROSOFT AZURE FUNDAMENTALS

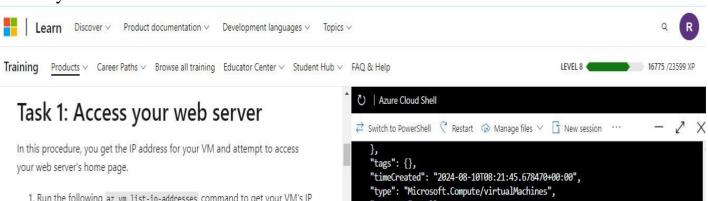
Name	Rubadharshini N
Register No	710722104084
Department	III B.E CSE
Date	10.08.2024





Access your web server

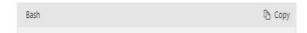
--admin-username azureuser \



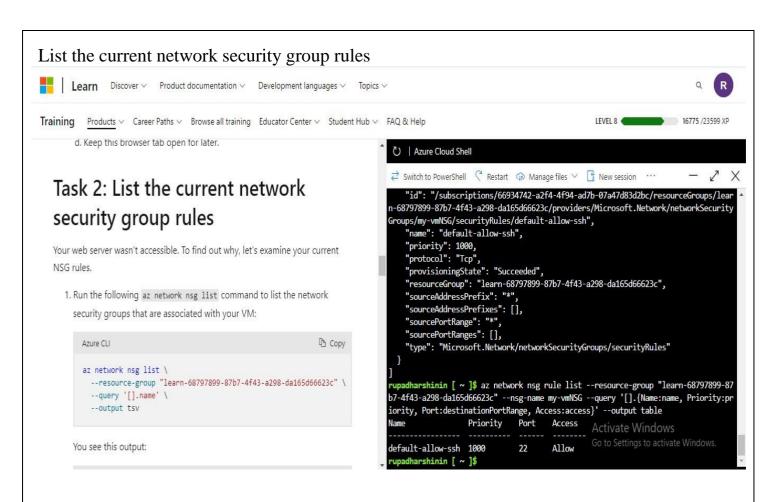
1. Run the following az vm list-ip-addresses command to get your VM's IP address and store the result as a Bash variable:



2. Run the following curl command to download the home page:



```
"userData": null,
    "virtualMachineScaleSet": null,
    "vmId": "fb66667a-6d6d-4232-bb54-d90ec135f9c4",
    "zones": null
    dharshinin [ ~ ]$ IPADDRESS="$(az vm list-ip-addresses --resource-group "learn
-68797899-87b7-4f43-a298-da165d66623c" --name my-vm --query "[].virtualMachine.net
work.publicIpAddresses[*].ipAddress" --output tsv)"
rupadharshinin [ ~ ]$ curl --connect-timeout 5 http://$IPADDRESS
curl: (28) Failed to connect to 13.93.153.168 port 80 after 5002 ms: Timeout was r
rupadharshinin [ ~ ]$ echo $IPADDRESS
13.93.153.168
rupadharshinin [ ~ ]$ az network nsg list --resource-group "learn-68797899-87b7-4f
43-a298-da165d66623c" --query '[].name' --output tsv
Go to Settings to activate Windows.
ny-vmNSG
rupadharshinin [ ~ ]$
```



Create the network security rule



Task 3: Create the network security rule

Here, you create a network security rule that allows inbound access on port 80 (HTTP).

 Run the following az network nsg rule create command to create a rule called allow-http that allows inbound access on port 80:

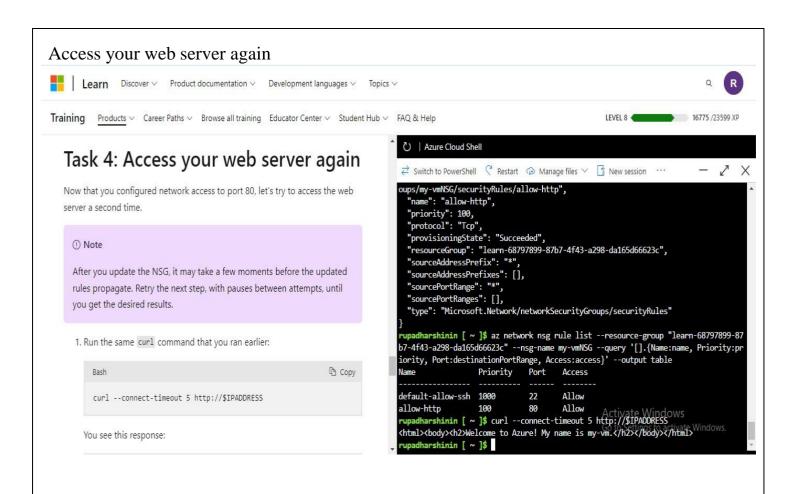
```
Azure CLI

az network nsg rule create \
--resource-group "learn-68797899-87b7-4f43-a298-da165d66623c" \
--nsg-name my-vmNSG \
--name allow-http \
--protocol tcp \
--priority 100 \
--destination-port-range 80 \
--access Allow
```

```
Azure Cloud Shell

∠ Switch to PowerShell 
∠ Restart 
→ Manage files 
∠ 
☐ New session 
…

 "id": "/subscriptions/66934742-a2f4-4f94-ad7b-07a47d83d2bc/resourceGroups/learn-
68797899-87b7-4f43-a298-da165d66623c/providers/Microsoft.Network/networkSecurityGr
oups/my-vmNSG/securityRules/allow-http",
 "name": "allow-http",
 "priority": 100,
 "protocol": "Tcp",
  "provisioningState": "Succeeded",
 "resourceGroup": "learn-68797899-87b7-4f43-a298-da165d66623c",
 "sourceAddressPrefix": "*",
 "sourceAddressPrefixes": [],
 "sourcePortRange": "*",
 "sourcePortRanges": [],
 "type": "Microsoft.Network/networkSecurityGroups/securityRules"
  padharshinin [ ~ ]$ az network nsg rule list --resource-group "learn-68797899-87
b7-4f43-a298-da165d66623c" --nsg-name my-vmNSG --query '[].{Name:name, Priority:pr
iority, Port:destinationPortRange, Access:access}' --output table
                  Priority Port Access
                                                Activate Windows
default-allow-ssh 1000
                              22
                                      Allow
allow-http
                  100
                              80
                                      Allow
```

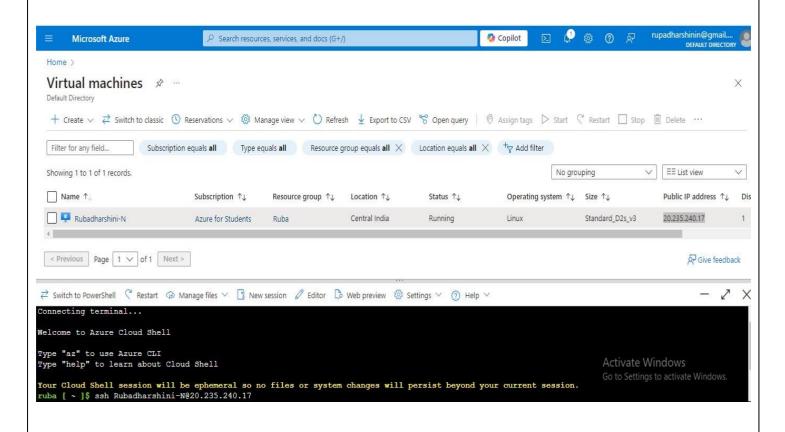


Final Output:

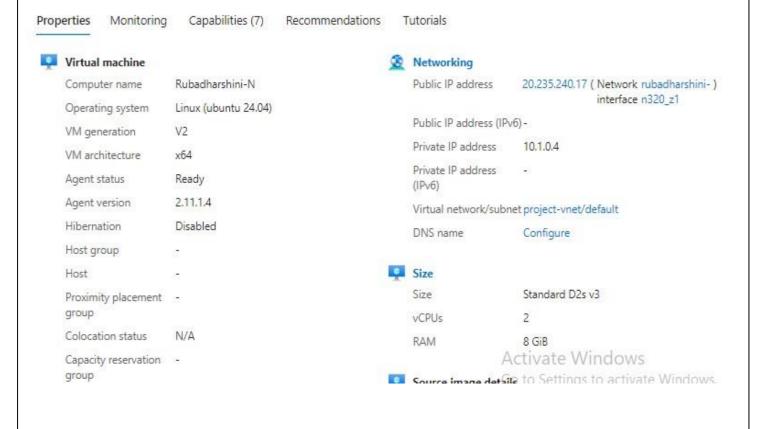


Welcome to Azure! My name is my-vm.

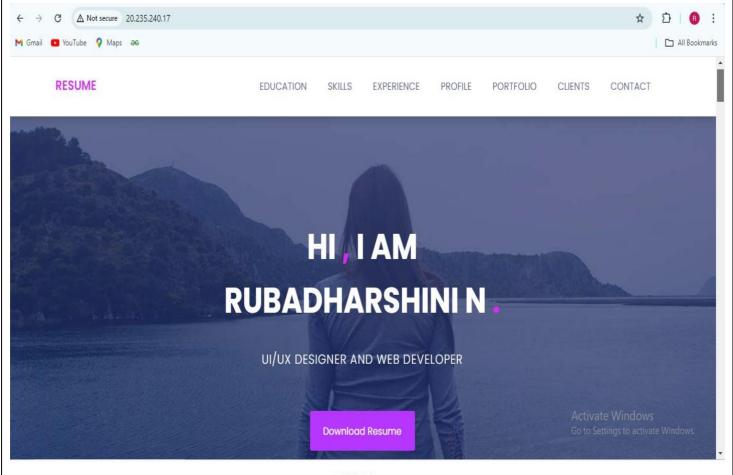
2) Creation of Virtual Machine



Properties of Virtual Machine



Hosting my portfolio using Azure Cloud Services

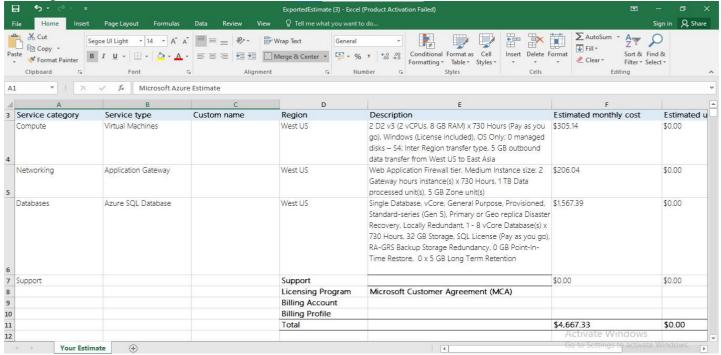


SKILLS

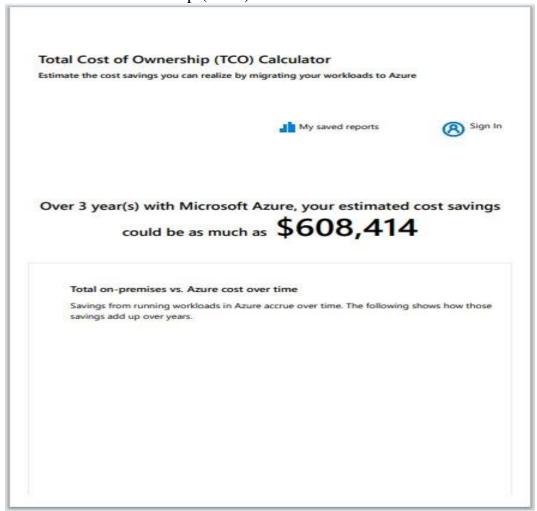


3)Cost Management In Azure

Pricing calculator(Estimation):

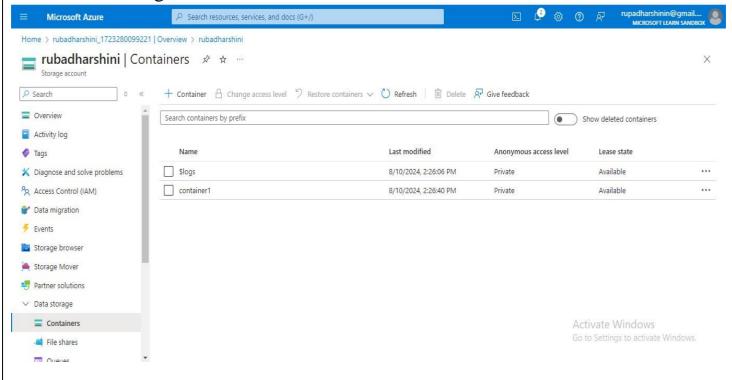


Total Cost of Ownership (TCO) Calculator:

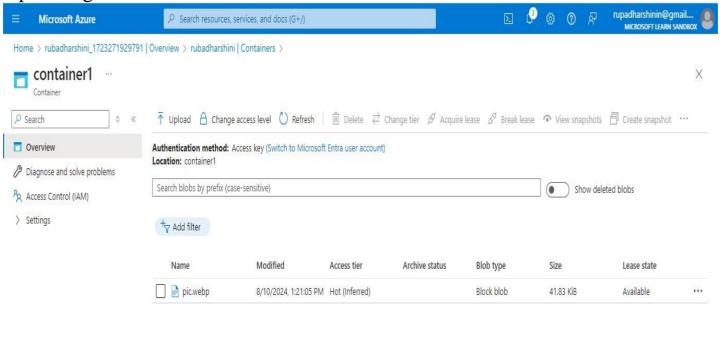


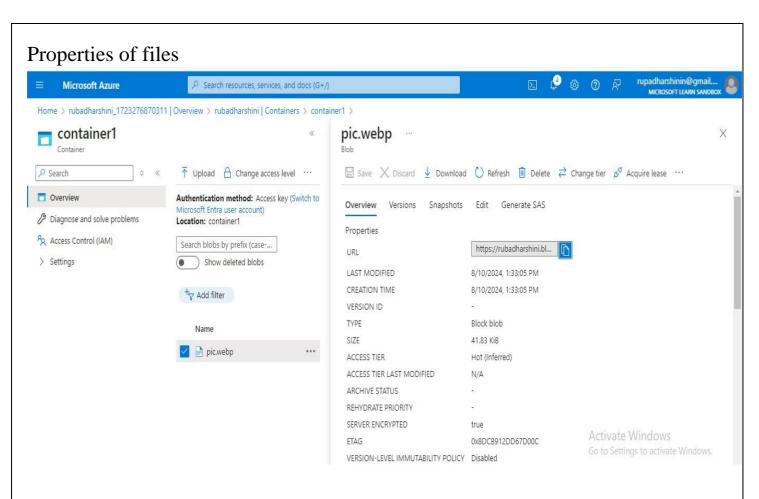
4) Azure Storage Services:

Creation of storage blob



Uploading a files





Final Output:

