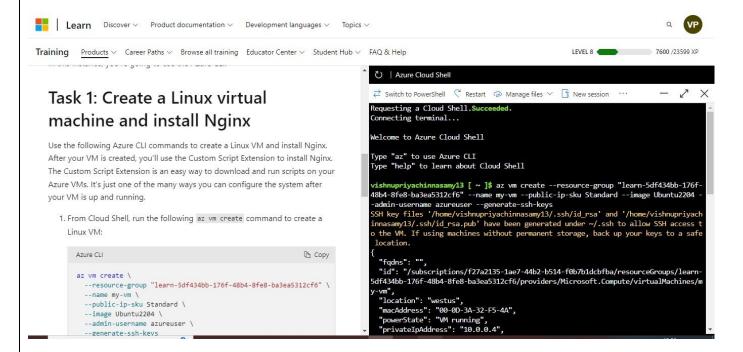
# REPORT ON MICROSOFT AZURE FUNDAMENTALS

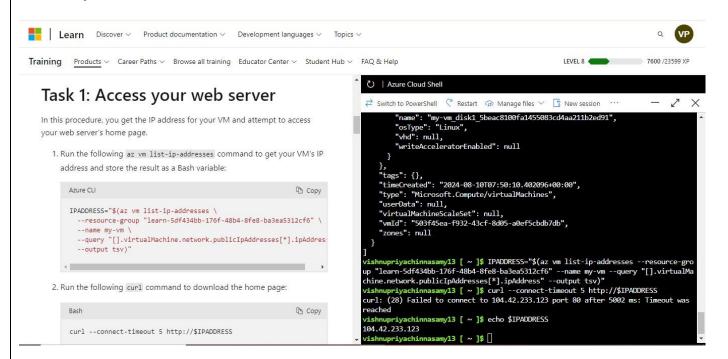
| Name        | Vishnu Priya C |
|-------------|----------------|
| Register No | 710722104122   |
| Department  | III B.E CSE    |
| Date        | 10.08.2024     |

### 1) Sandbox:

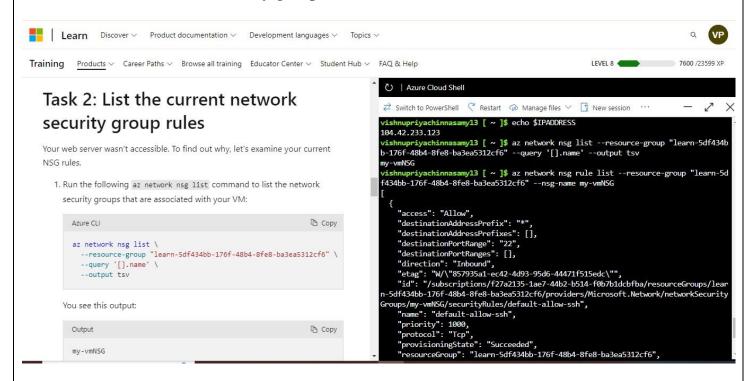
### Create a Linux virtual machine and install Nginx



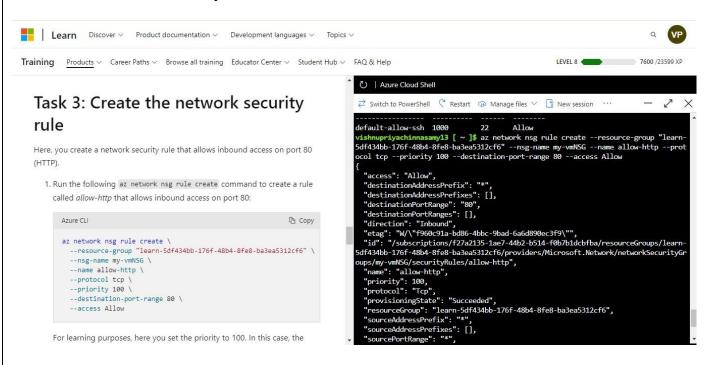
### Access your web server

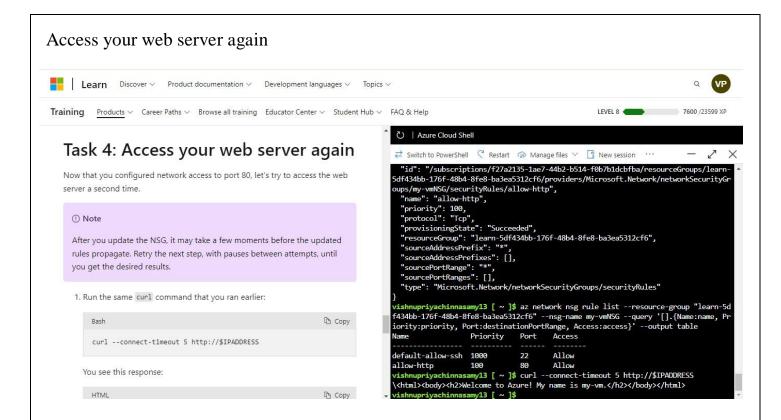


### List the current network security group rules



### Create the network security rule





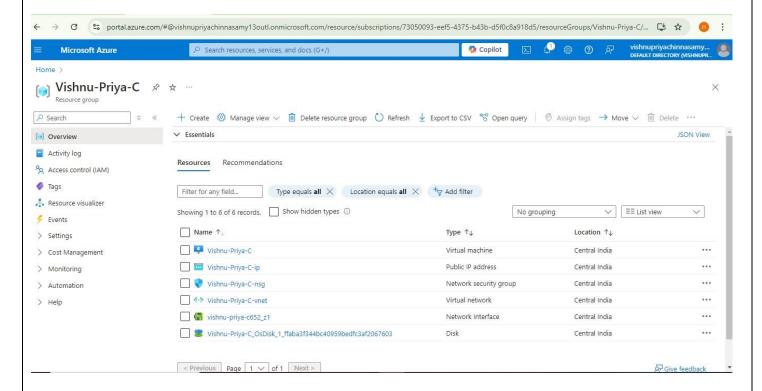
### Final output:



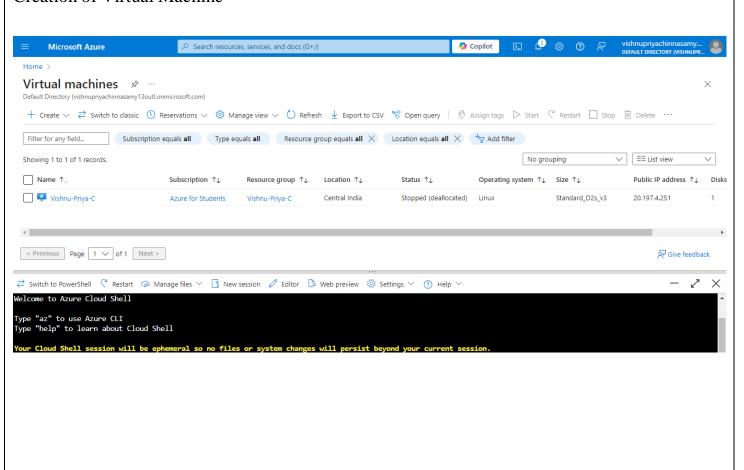
Welcome to Azure! My name is my-vm.

### 2) Azure Academic Services: Azure for Students

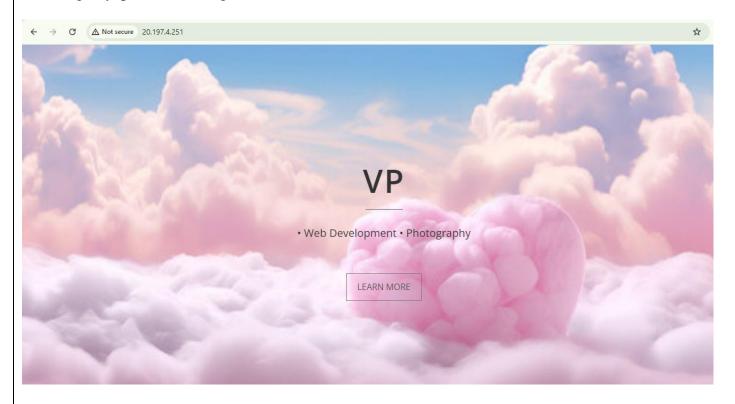
### Creation of resource groups



### Creation of Virtual Machine



# Hosting my portfolio using Azure Cloud Services



### Pricing calculator

| 4   | A                | В                   | С           | D                 | E   | F                      | G                      |  |
|-----|------------------|---------------------|-------------|-------------------|---|------------------------|------------------------|--|
| -   |                  | Estimate-Vishnu Pr  | ıya C       |                   |   |                        |                        |  |
|     | Your Estimate    |                     |             |                   |   |                        |                        |  |
|     | Service category | Service type        | Custom name | Region            | Description   | Estimated monthly cost | Estimated upfront cost |  |
|     | Compute          | Virtual Machines    |             | West US           | 2 D2 v3 (2 vCPUs, 8 GB RAM) x 730 Hours (Pay as<br>you go), Windows (License included), OS Only; 0<br>managed disks — S4; Inter Region transfer type, 5 GB<br>outbound data transfer from West US to East Asia  | \$305.14               | \$0.00                 |  |
|     | Databases        | Azure SQL Database  |             | West US           | Single Database, vCore, General Purpose,<br>Provisioned, Standard-series (Gen 5), Primary or Geo<br>replica Disaster Recovery, Locally Redundant, 1 - 8<br>vCore Database(s) x 730 Hours, 32 GB Storage, SQL<br>License (Pay as you go), RA-GRS Backup Storage<br>Redundancy, 0 GB Point-In-Time Restore, 0 x 5 GB<br>Long Term Retention | \$1,567.39             | \$0.00                 |  |
|     | Networking       | Application Gateway |             | West US           | Web Application Firewall tier, Medium Instance size:<br>2 Gateway hours Instance(s) x 730 Hours, 1 TB Data<br>processed unit(s), 5 GB Zone unit(s)  | \$206.04               | \$0.00                 |  |
| 100 | Support          |                     |             | Support           |   | \$0.00                 | \$0.00                 |  |
|     |                  |                     |             | Licensing Program | Microsoft Customer Agreement (MCA)  | VVII.36.037.0          |                        |  |
|     |                  |                     |             | Billing Account   |   |                        |                        |  |
| )   |                  |                     |             | Billing Profile   |   |                        |                        |  |
|     |                  |                     |             | Total             |   | \$2,078.56             | \$0.00                 |  |
|     |                  |                     |             | i i               |   |                        |                        |  |

## Total Cost of Ownership (TCO) Calculator

# Total Cost of Ownership (TCO) Calculator Estimate the cost savings you can realize by migrating your workloads to Azure My saved reports Sign In

Over 3 year(s) with Microsoft Azure, your estimated cost savings could be as much as ₹51,439,123

Total on-premises vs. Azure cost over time

Savings from running workloads in Azure accrue over time. The following shows how those savings add up over years.

