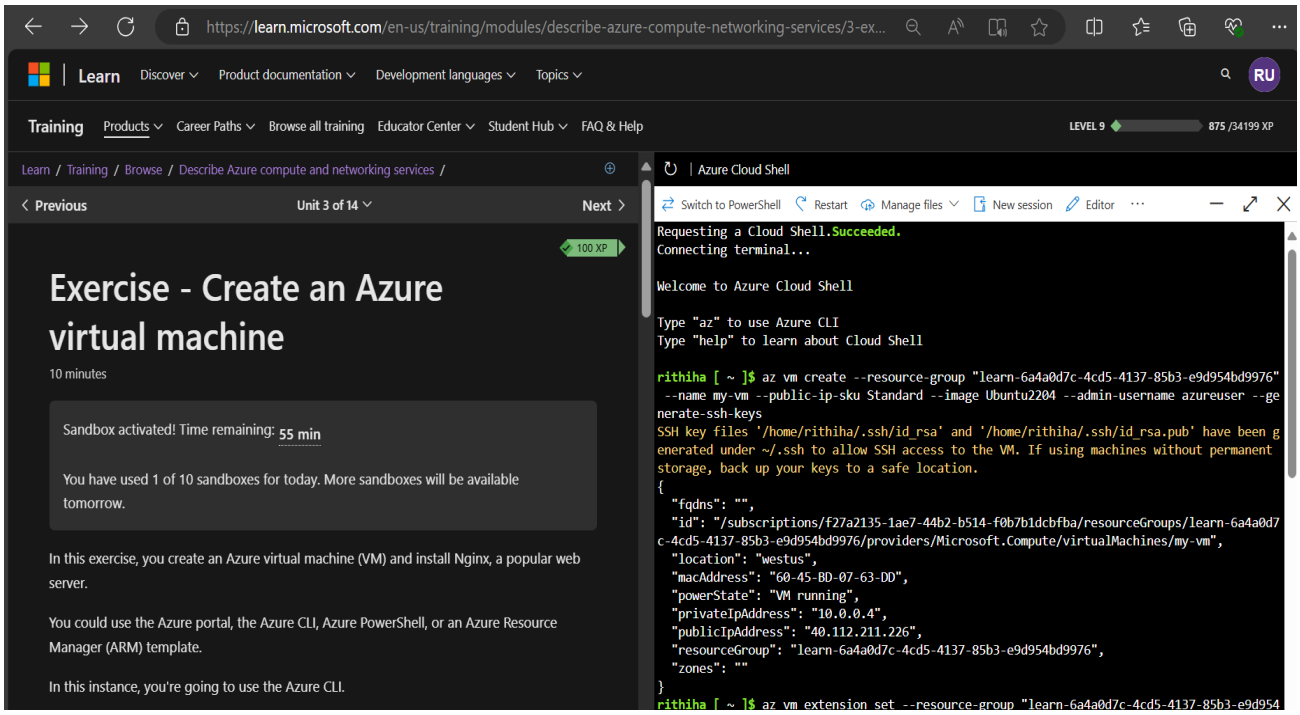
REPORT ON

MICROSOFT AZURE FUNDAMENTALS

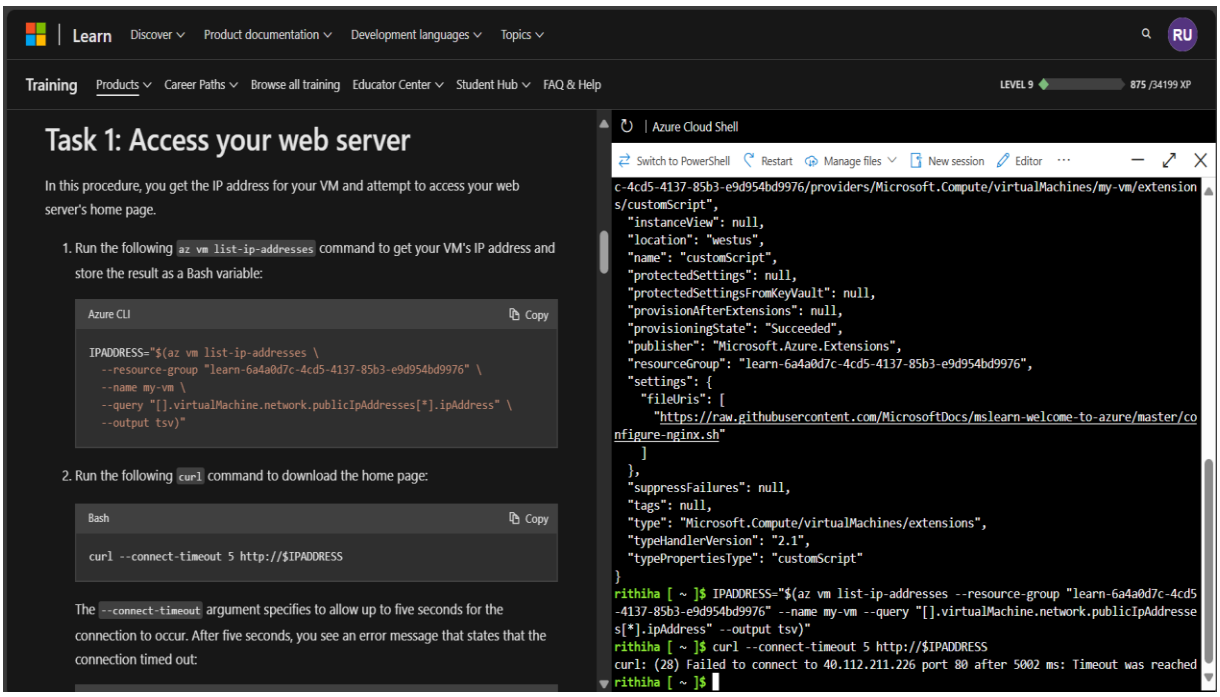
Name	Rithiha U
Register No	710722104082
Department	III B.E CSE
Date	10.08.2024

1) Sandbox:

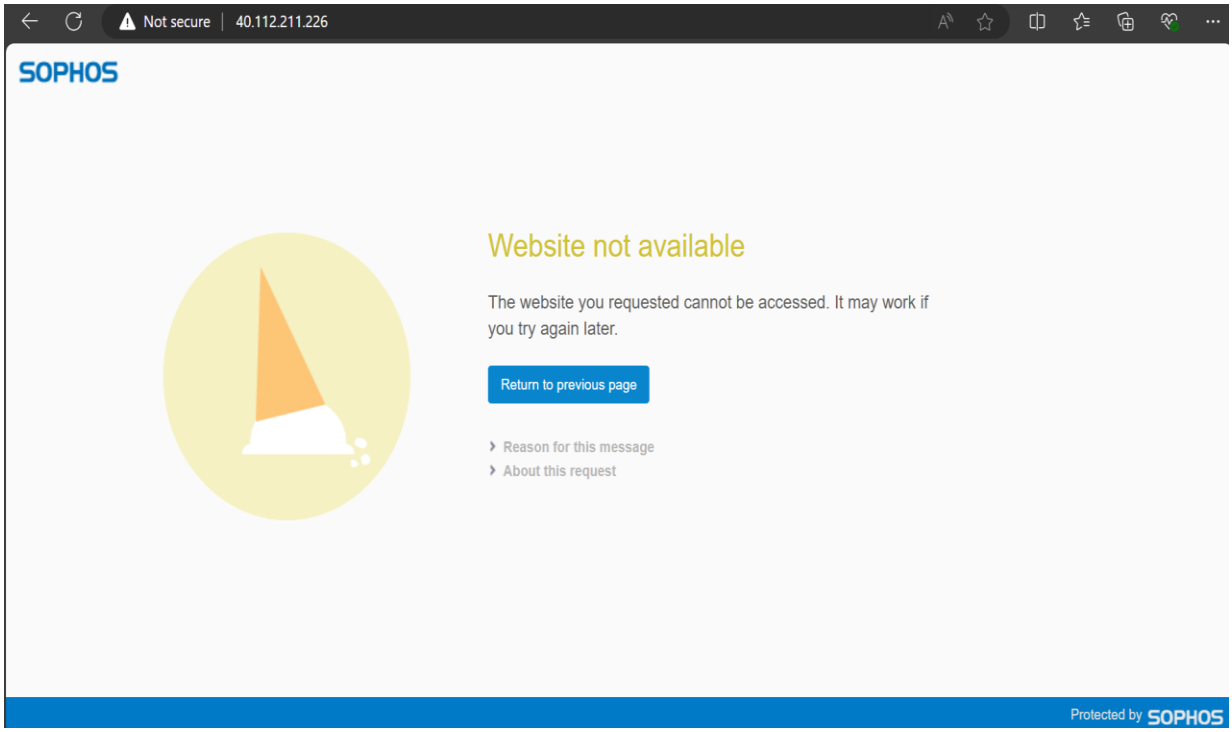
- Create a Linux virtual machine and install Nginx



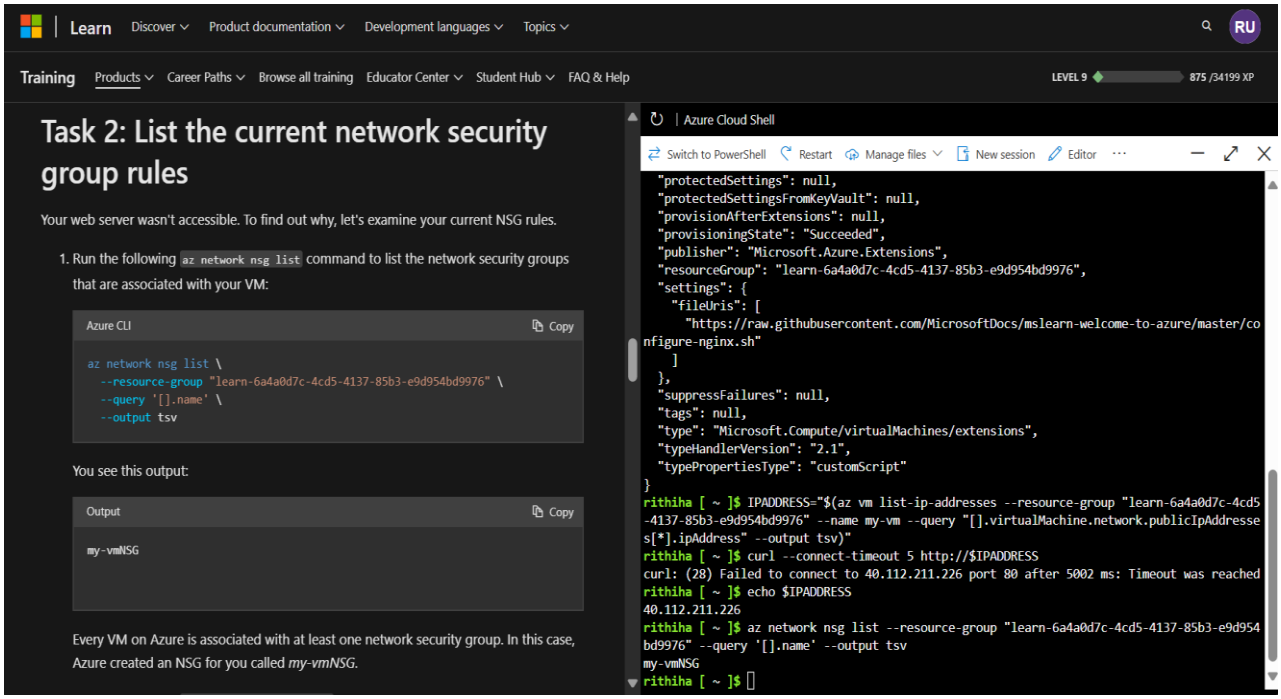
- Access your web server



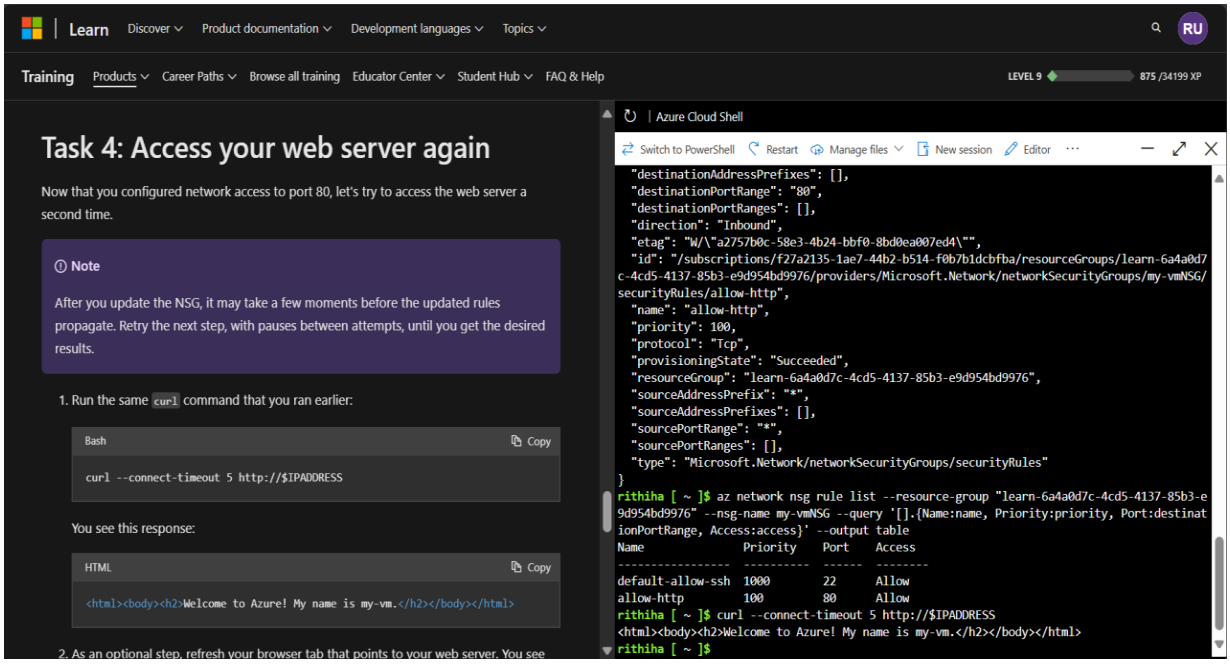
Output:



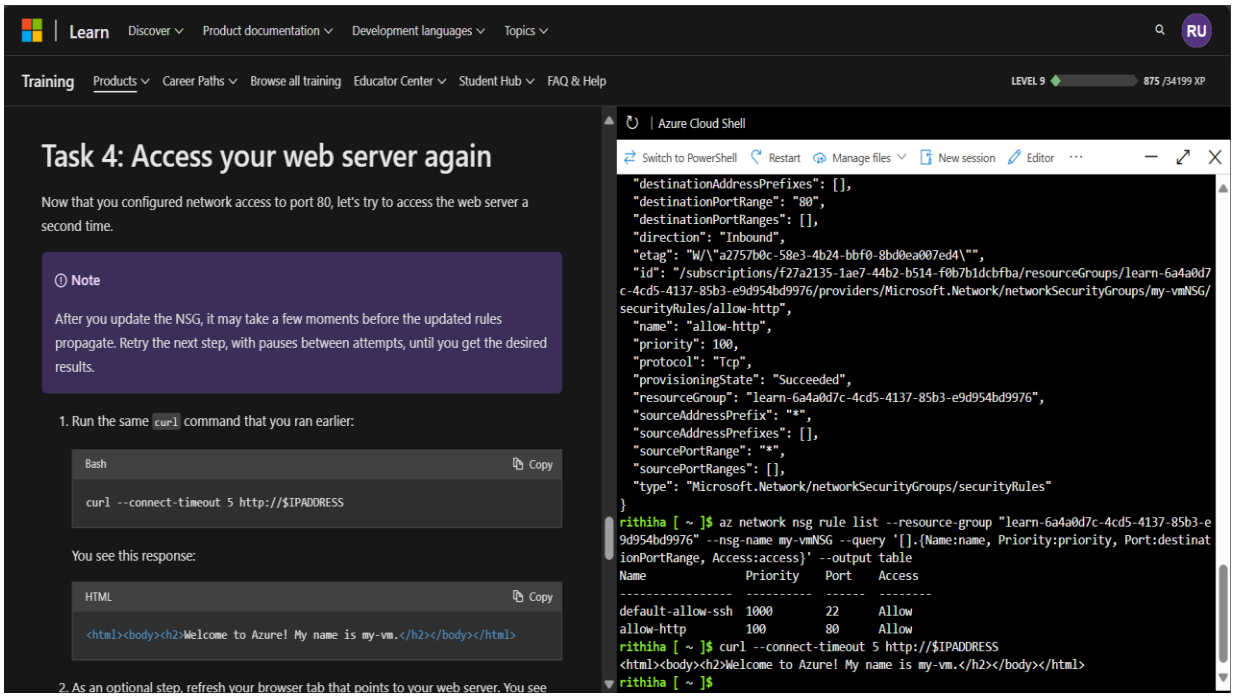
- List the current network security group rules



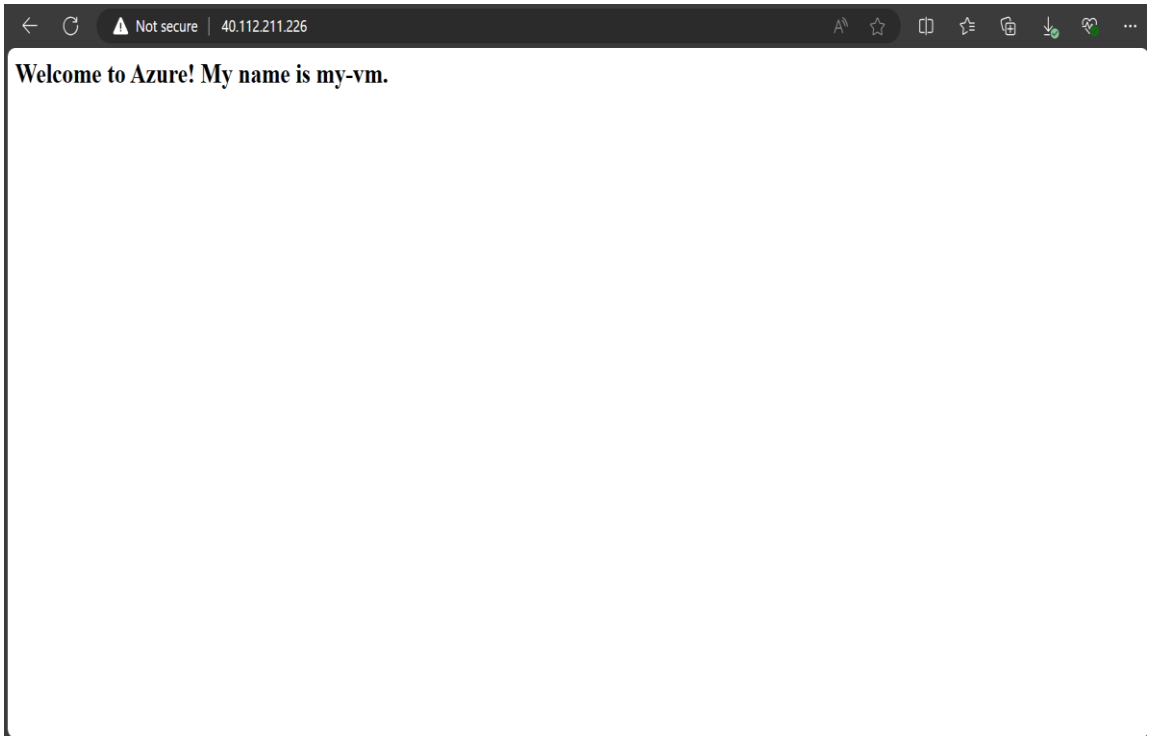
- Create the network security rule



- Access your web server again

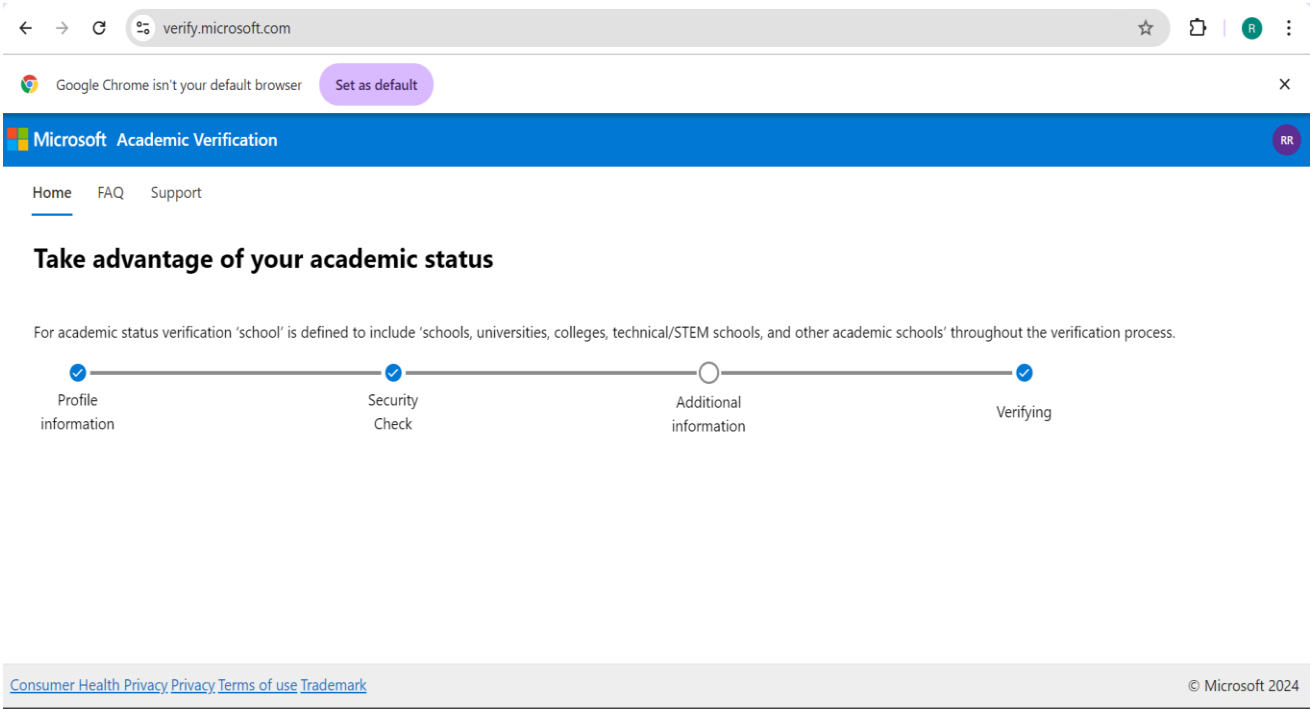


Final output:

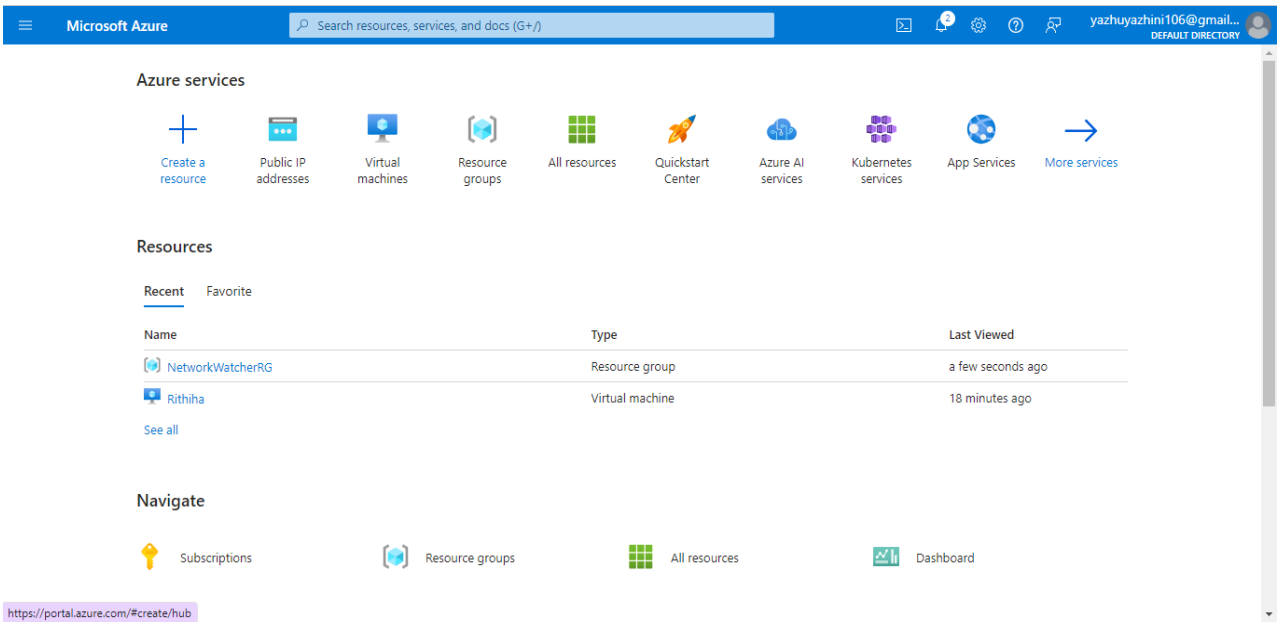


2) Azure Academic Services: Azure for Students

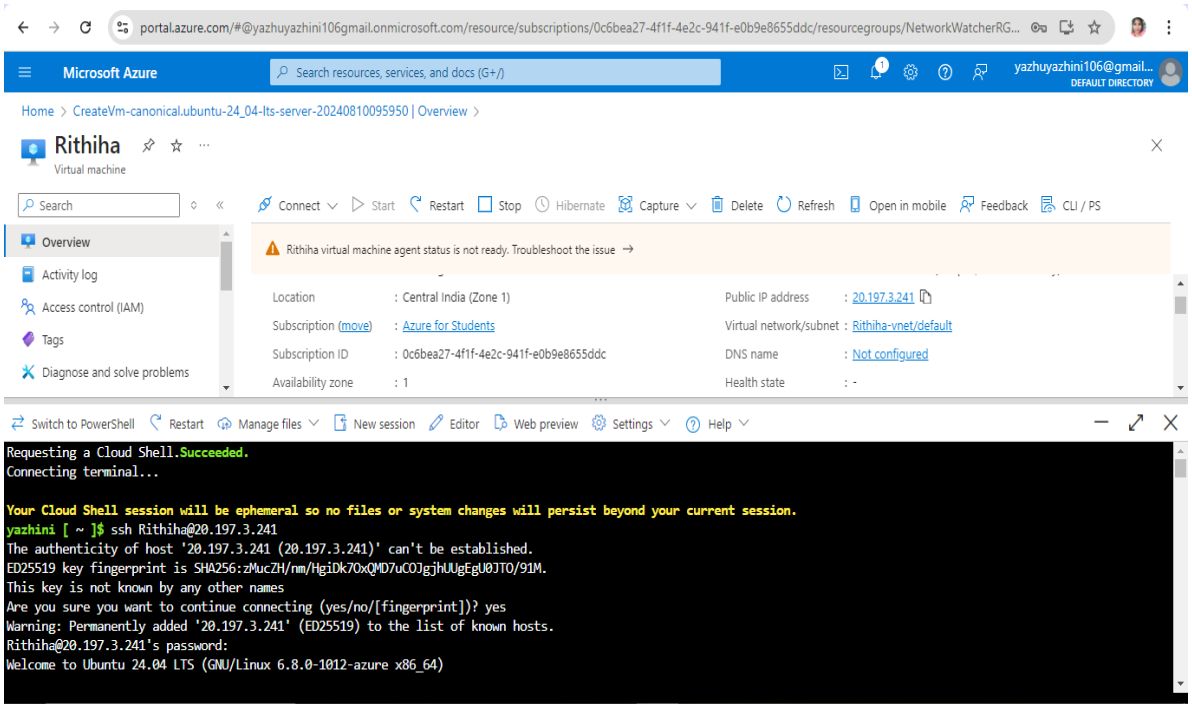
- Microsoft Academic Verfication Process



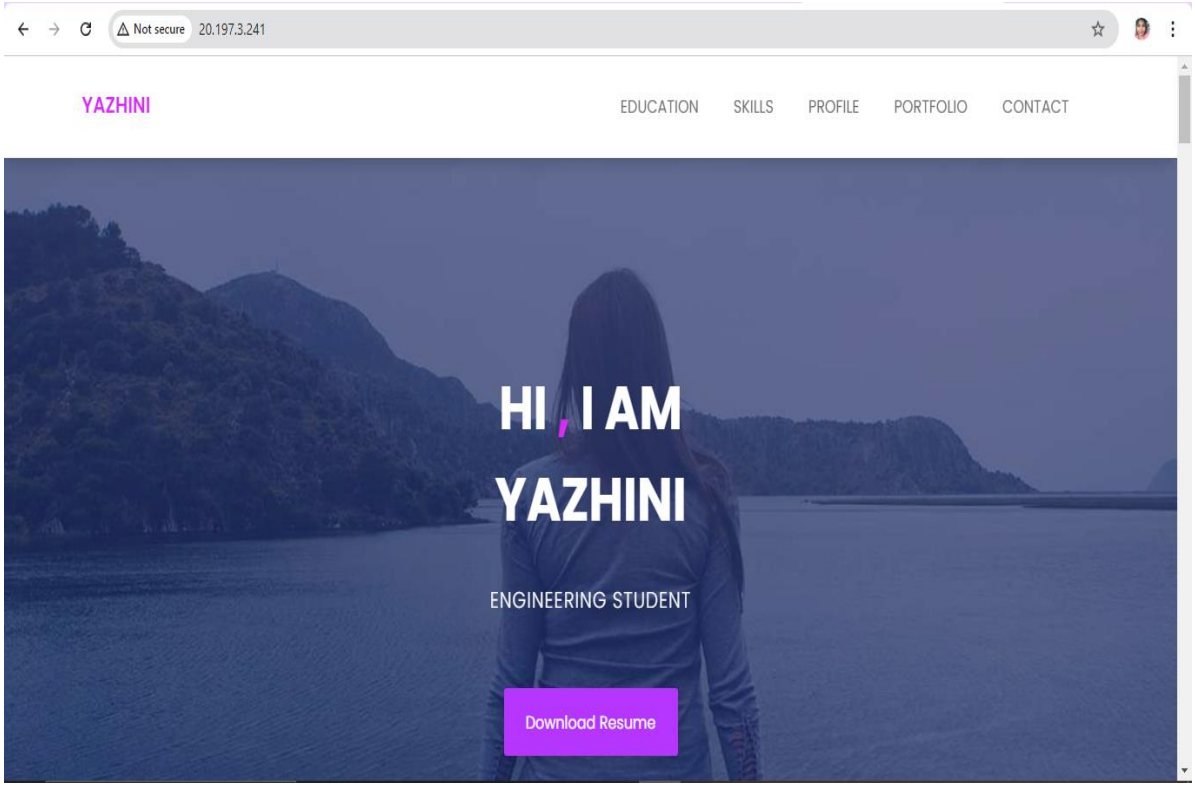
- Creation of resource groups



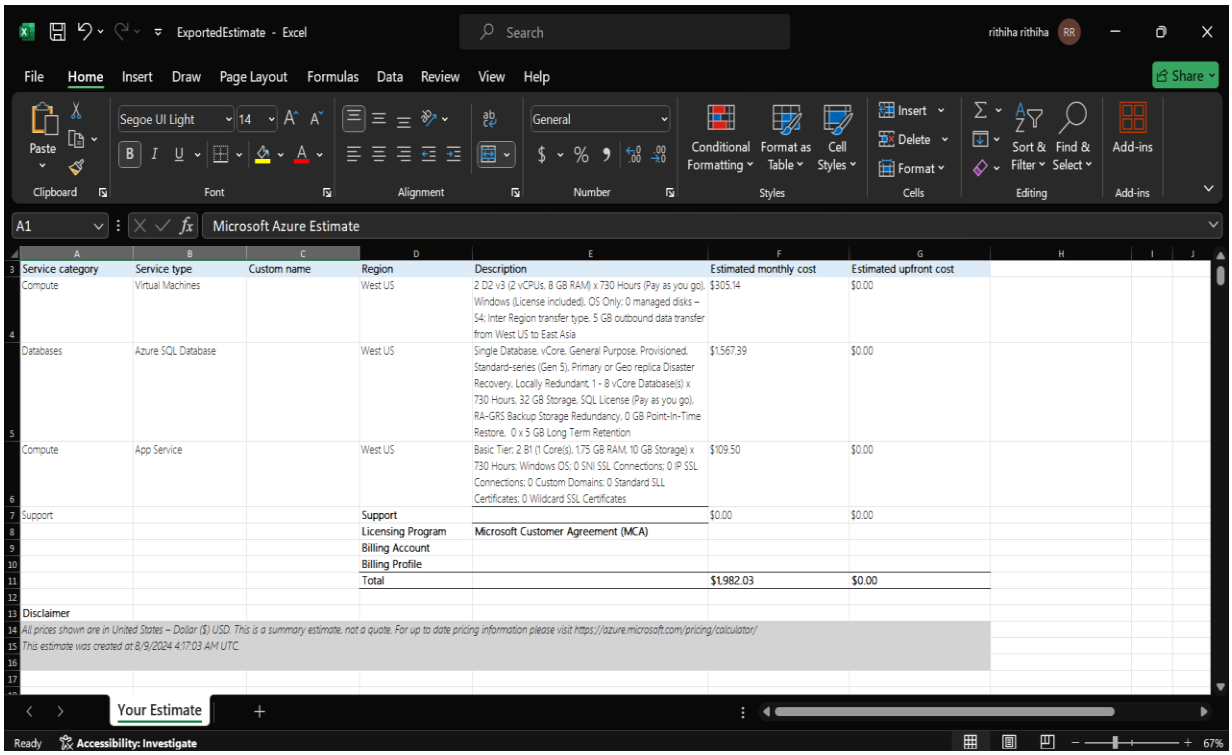
- Creation of Virtual Machine



- Hosting my portfolio using Azure Cloud Services



- Pricing calculator



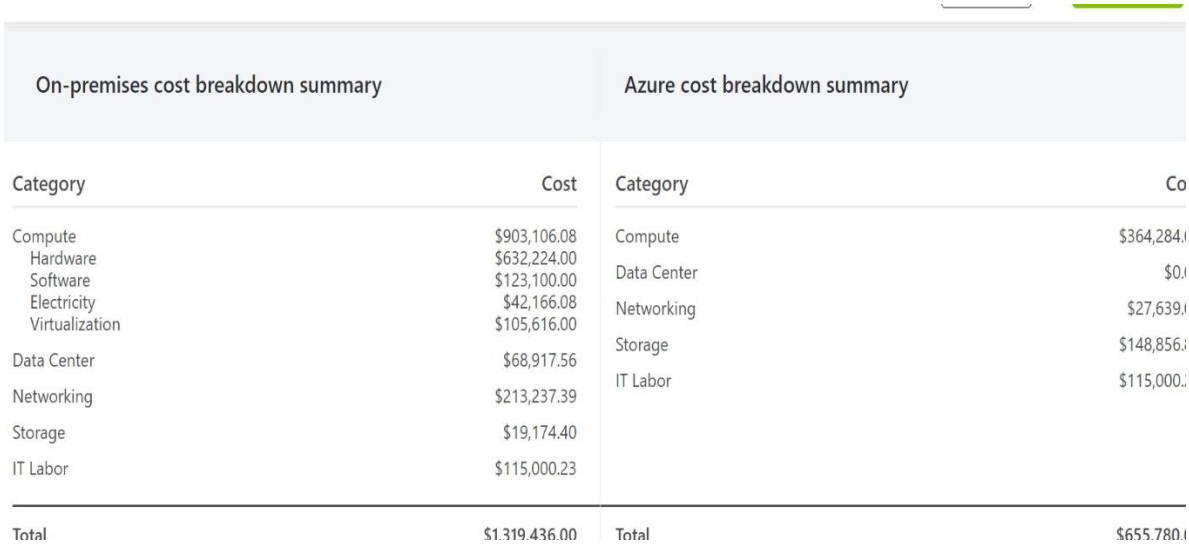
Service category	Service type	Custom name	Region	Description	Estimated monthly cost	Estimated upfront cost
Compute	Virtual Machines		West US	2 D2 v3 (2 vCPUs, 8 GB RAM) x 730 Hours (Pay as you go), Windows (License included), OS Only; 0 managed disks – S4; Inter Region transfer type, 5 GB outbound data transfer from West US to East Asia	$305.14	$0.00
Databases	Azure SQL Database		West US	Single Database, vCore, General Purpose, Provisioned, Standard-series (Gen 5), Primary or Geo replica Disaster Recovery, Locally Redundant, 1 - 8 vCore Database(s) x 730 Hours, 32 GB Storage, SQL License (Pay as you go), RA-GRS Backup Storage Redundancy, 0 GB Point-In-Time Restore, 0 x 5 GB Long Term Retention	$1,567.39	$0.00
Compute	App Service		West US	Basic Tier, 2 B1 (1 Core(s), 1.75 GB RAM, 10 GB Storage) x 730 Hours; Windows OS; 0 SNI SSL Connections; 0 IP SSL Connections; 0 Custom Domains; 0 Standard SLL Certificates; 0 Wildcard SSL Certificates	$109.50	$0.00
Support			Support		$0.00	$0.00
			Licensing Program	Microsoft Customer Agreement (MCA)		
			Billing Account			
			Billing Profile			
			Total		$1,982.03	$0.00

Disclaimer

All prices shown are in United States – Dollar ($) USD. This is a summary estimate, not a quote. For up to date pricing information please visit https://azure.microsoft.com/pricing/calculator/

This estimate was created at 8/9/2024 4:17:03 AM UTC.

- Total Cost of Ownership (TCO) Calculator



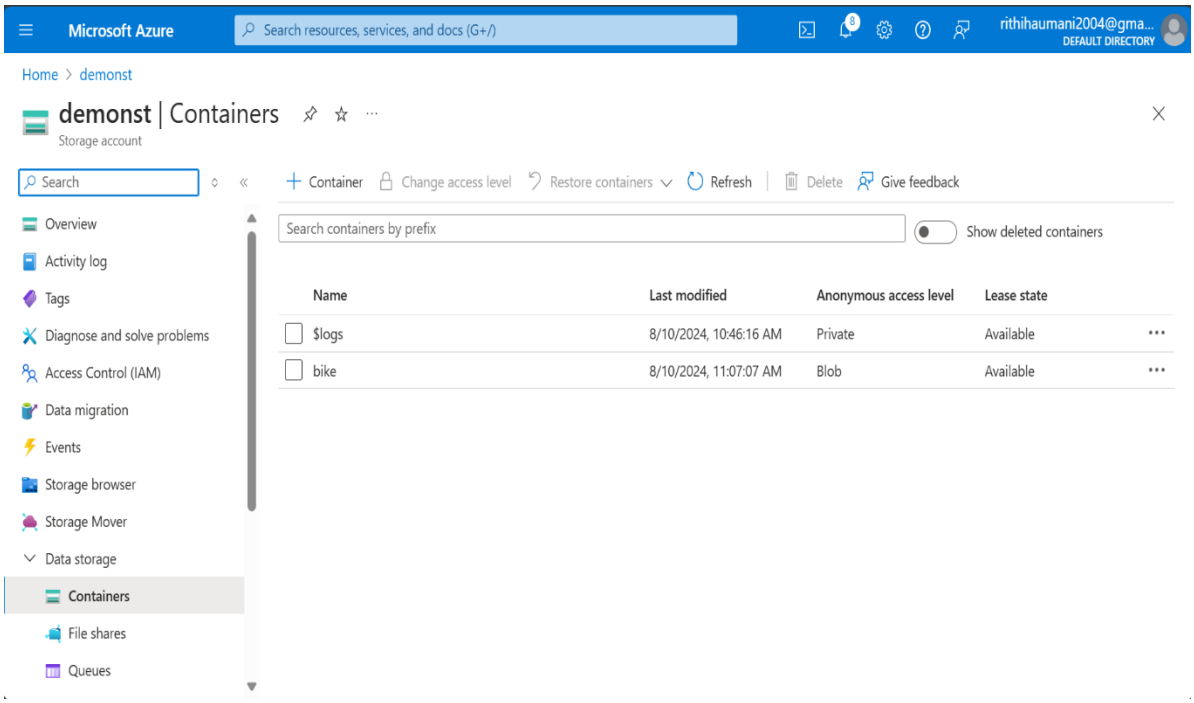
On-premises cost breakdown summary

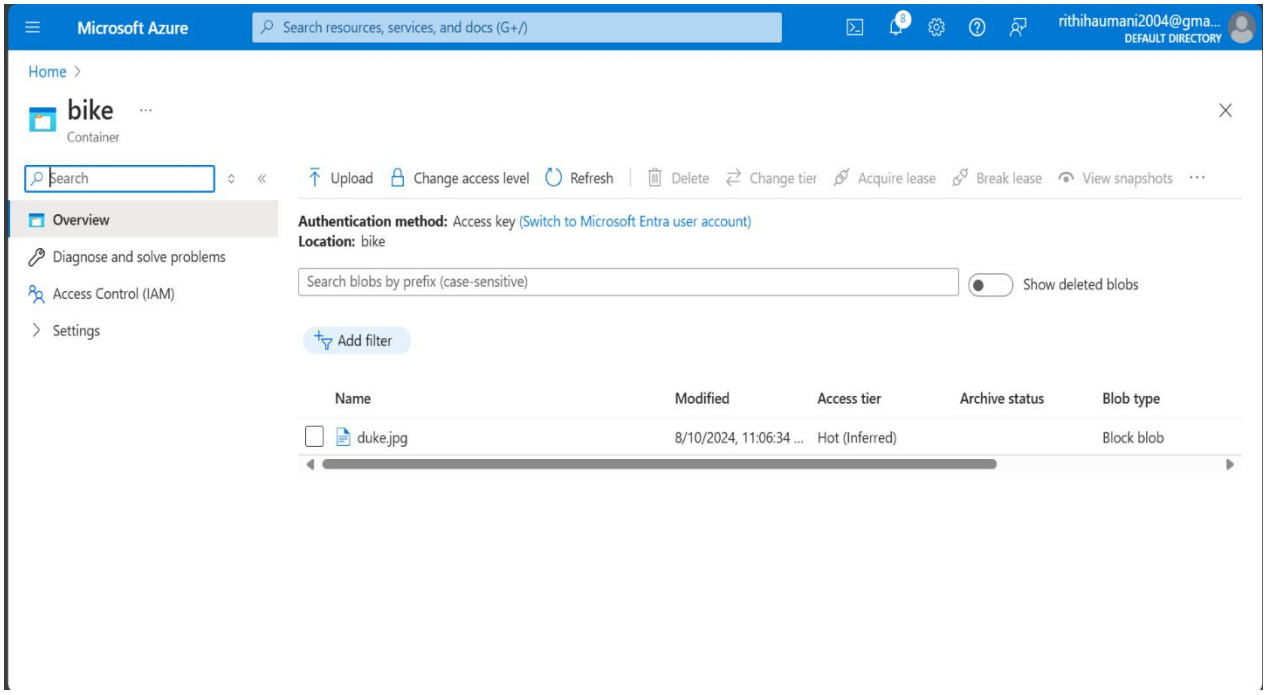
Category	Cost
Compute	$903,106.08
Hardware	$632,224.00
Software	$123,100.00
Electricity	$42,166.08
Virtualization	$105,616.00
Data Center	$68,917.56
Networking	$213,237.39
Storage	$19,174.40
IT Labor	$115,000.23
Total	$1,319,436.00

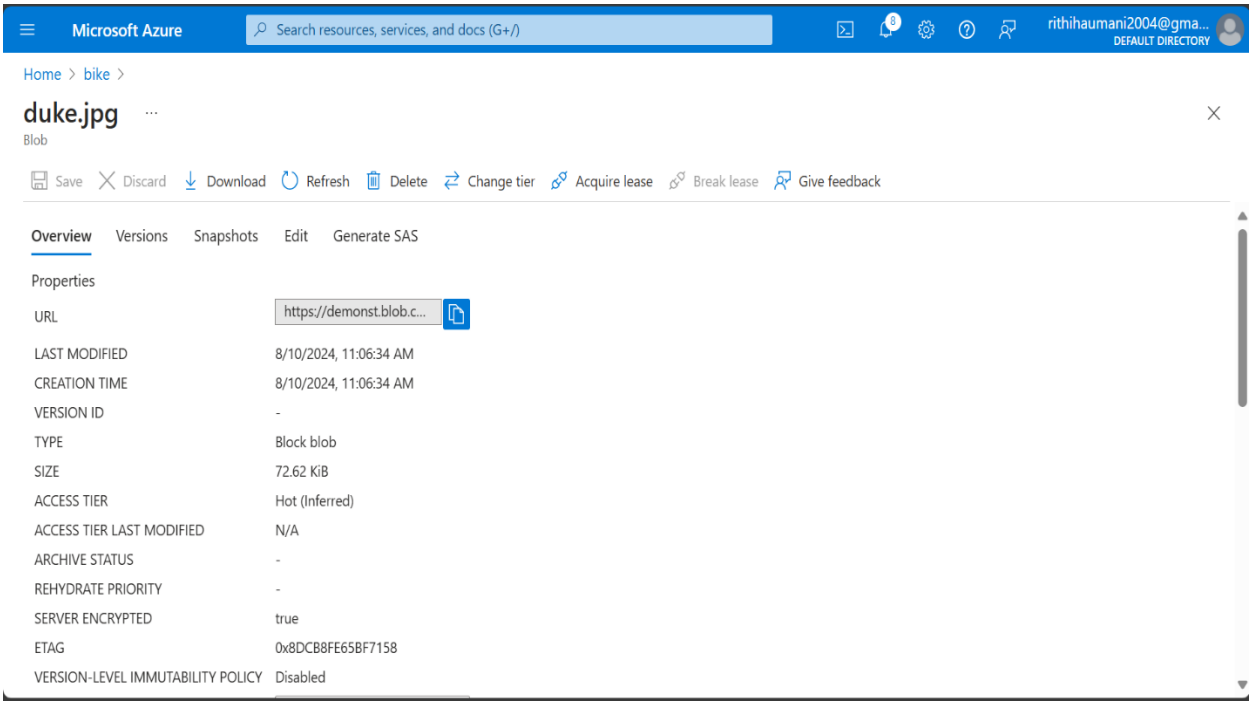
Azure cost breakdown summary

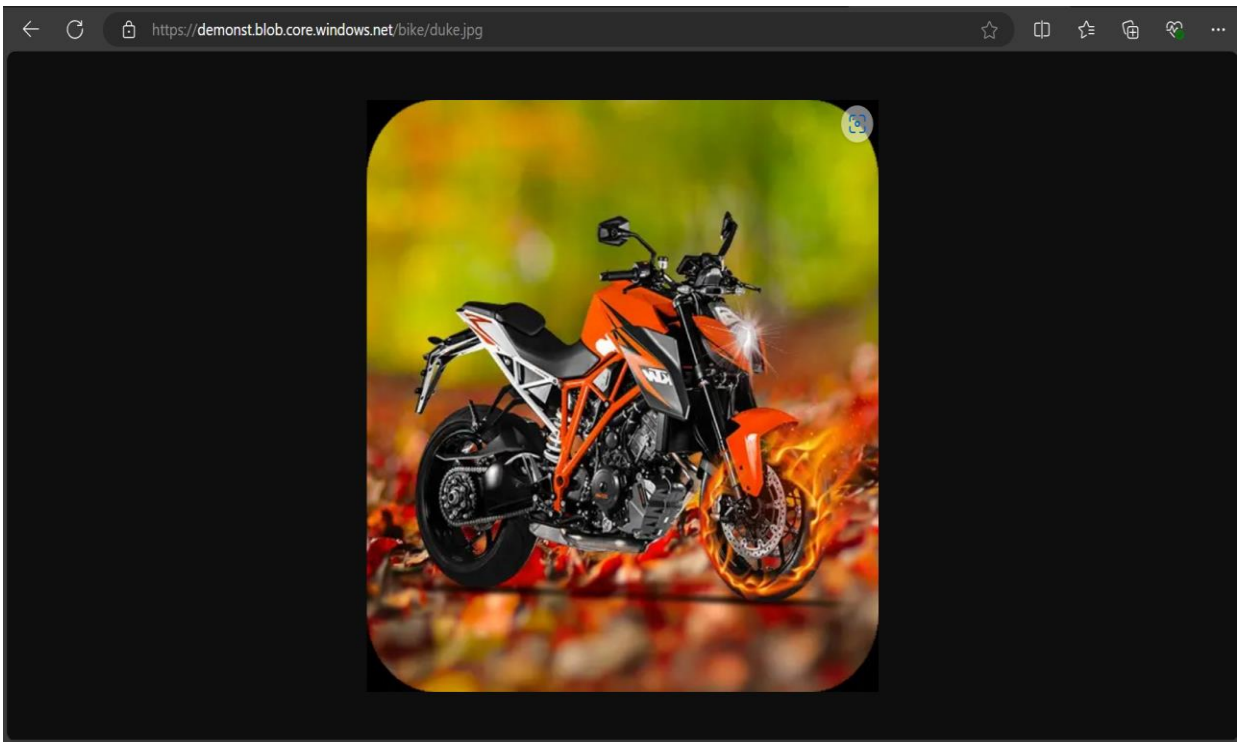
Category	Co
Compute	$364,284.
Data Center	$0.
Networking	$27,639.
Storage	$148,856.
IT Labor	$115,000.
Total	$655,780.

- Creation of container

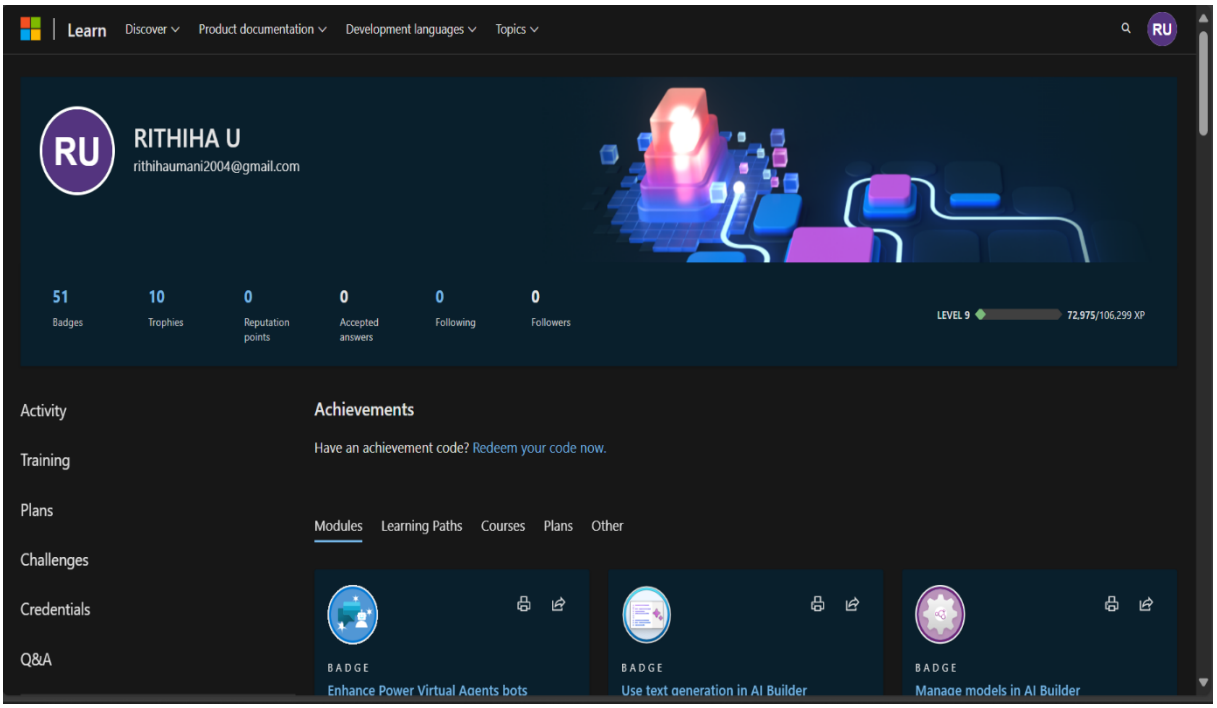





Microsoft Azure
Search resources, services, and docs (G+/)
rithihaumani2004@gma...
DEFAULT DIRECTORY
Home > bike >
duke.jpg
Blob
Save
Discard
Download
Refresh
Delete
Change tier
Acquire lease
Break lease
Give feedback
Overview
Versions
Snapshots
Edit
Generate SAS
Properties
URL
https://demonst.blob.c...
LAST MODIFIED
8/10/2024, 11:06:34 AM
CREATION TIME
8/10/2024, 11:06:34 AM
VERSION ID
-
TYPE
Block blob
SIZE
72.62 KiB
ACCESS TIER
Hot (Inferred)
ACCESS TIER LAST MODIFIED
N/A
ARCHIVE STATUS
-
REHYDRATE PRIORITY
-
SERVER ENCRYPTED
true
ETAG
0x8DCB8FE65BF7158
VERSION-LEVEL IMMUTABILITY POLICY
Disabled


https://demonst.blob.core.windows.net/bike/duke.jpg

3) Badges :


Learn
Discover
Product documentation
Development languages
Topics
RU
RITHIHA U
rithihaumani2004@gmail.com
51
Badges
10
Trophies
0
Reputation points
0
Accepted answers
0
Following
0
Followers
LEVEL 9
72,975/106,299 XP
Activity
Training
Plans
Challenges
Credentials
Q&A
Achievements
Have an achievement code? Redeem your code now.
Modules
Learning Paths
Courses
Plans
Other
BADGE
Enhance Power Virtual Agents bots
BADGE
Use text generation in AI Builder
BADGE
Manage models in AI Builder