REPORT ON MICROSOFT AZURE FUNDAMENTALS
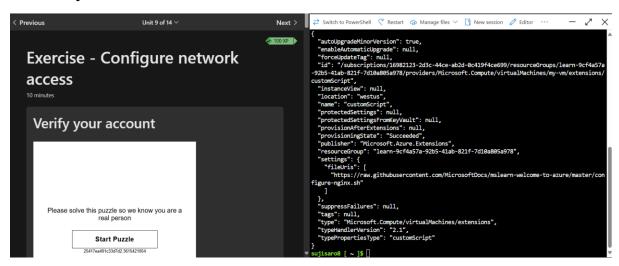
NAME	SUBRAJA PRANALI S
REGISTER NUMBER	710722104104
DEPARTMENT	III B.E CSE
DATE	10.08.2024

SANDBOX:-

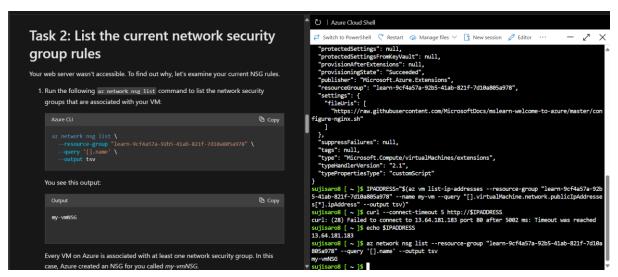## Create a linux virtual machine and install Nginx

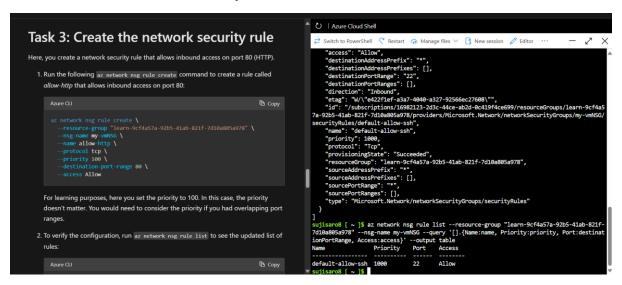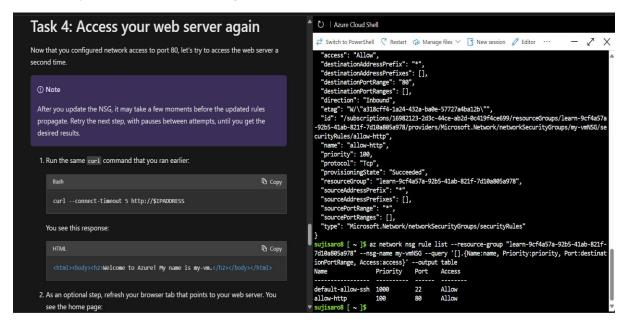## Access your web server

List the current network security group rules

Create the network security rule
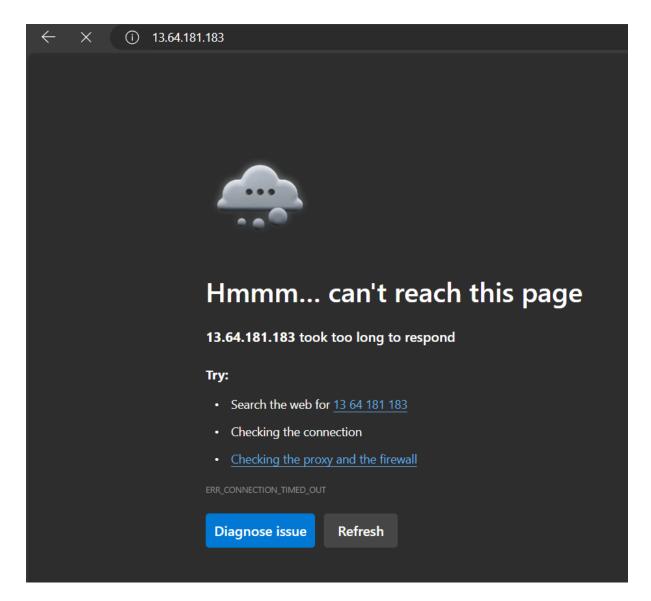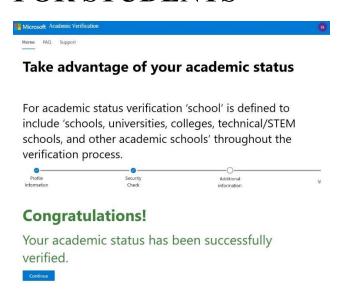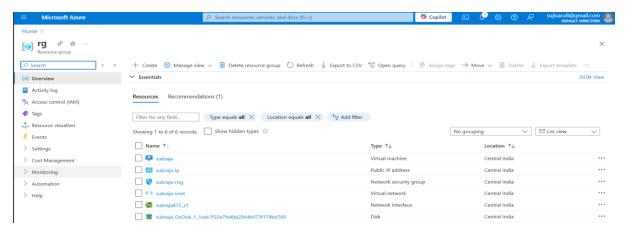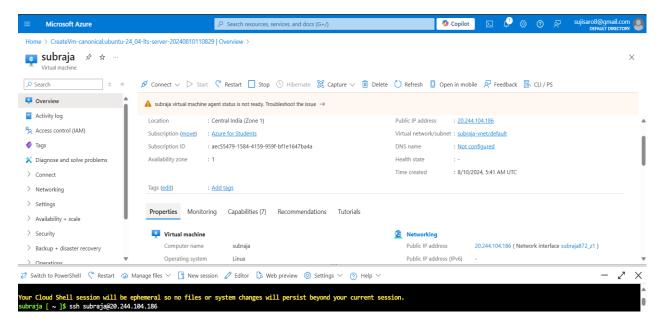

Access your web server again

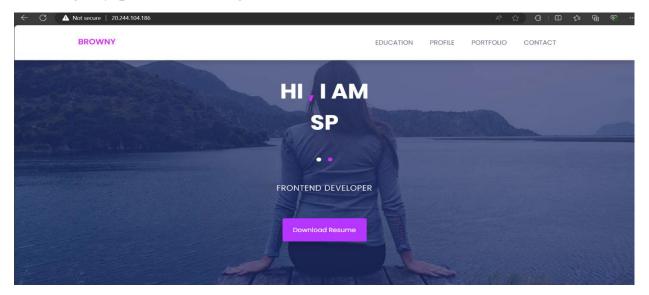## FINAL OUTPUT:-

AZURE ACADEMIC SERVICES: AZURE FOR STUDENTS

Creation of resources groups

Creation of virtual machine:-

Hosting my portfolio using azure cloud services

PRICING CALCULATOR:-

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 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						

Total Cost of Ownership(TCO) Calculator

₹111,042,021
Cost over 3 year(s)

₹54,977,002
Cost over 3 year(s)

On-premises cost breakdown summary			Azure cost breakdown summary	
Category		Cost	Category	Cost
Compute		₹76,005,384.60	Compute	₹30,504,686.92
Hardware		₹53,287,872.24	Data Center	₹0.00
Software		₹10,375,700.10	Networking	₹2,314,455.32
Electricity		₹3,440,858.75	Storage	₹12,465,084.92
Virtualization		₹8,900,953.52	IT Labor	₹9,692,779.7334
Data Center		₹5,808,873.37		
Networking		₹17,927,593.05		
Storage		₹1,607,398.80		
IT Labor		₹9,692,779.61		
Total		₹111,042,021.06	Total	₹54,977,001.74

CREATION OF CONTAINER:-

Home >

subraja
Storage account

Search

- Overview
- Activity log
- Tags
- Diagnose and solve problems
- Access Control (IAM)
- Data migration
- Events
- Storage browser
- Storage Mover
- Data storage
- Security + networking
- Data management
- Settings
- Monitoring
- Monitoring (classic)
- Automation
- Help

↑ Upload Open in Explorer 🗑 Delete → Move ∨ ↻ Refresh Open in mobile

∧ Essentials

Resource group (move)	: learn-9cf4a57a-92b5-41ab-821f-7d10a805a978	Perfo
Location	: westus	Repli
Subscription (move)	: Concierge Subscription	Acco
Subscription ID	: 16982123-2d3c-44ce-ab2d-0c419f4ce699	Provi
Disk state	: Available	Creat
Tags (edit)	: Add tags	

Properties Monitoring Capabilities (7) Recommendations (0) Tutorials Tools + SD

Blob service

Hierarchical namespace	Disabled
Default access tier	Hot
Blob anonymous access	Enabled
Blob soft delete	Enabled (7 days)
Container soft delete	Enabled (7 days)
Versioning	Disabled
Change feed	Disabled
NFS v3	Disabled
Allow cross-tenant replication	Disabled

Upload blob   ✕

Drag and drop files here
or
Browse for files

Select an existing container

Create new

☐ Overwrite if files already exist

∨ Advanced

Upload   ⇗ Give feedback

Home > subraja

subraja | Containers
Storage account   ✕

Search

- Overview
- Activity log
- Tags
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- Access Control (IAM)
- Data migration
- Events

+ Container 🔒 Change access level ↺ Restore containers ∨ ↻ Refresh 🗑 Delete ⇗ Give feedback

Search containers by prefix   ⬤ Show deleted containers

Name	Last modified	Anonymous access level	Lease state	
☐ $logs	8/10/2024, 11:58:41 AM	Private	Available	⋯
☐ container	8/10/2024, 12:04:23 PM	Private	Available	⋯

Home > subraja | Containers > container >

container
Container

Search

- Overview
- Diagnose and solve problems
- Access Control (IAM)
- Settings

Authentication method: Access key (Switch to Microsoft Entra user account)
Location: container

Search blobs by prefix (case-...

⬤ Show deleted blobs

⊕ Add filter

Name	
☐ 📄 wallpaper 1.jpg	⋯

wallpaper 1.jpg ⋯   ✕
Blob

💾 Save ✕ Discard ↓ Download ↻ Refresh 🗑 Delete ⇄ Change tier 🔑 Acquire lease 🔑 Break lease ⇗ Give feedback

Overview Versions Snapshots Edit Generate SAS

Properties

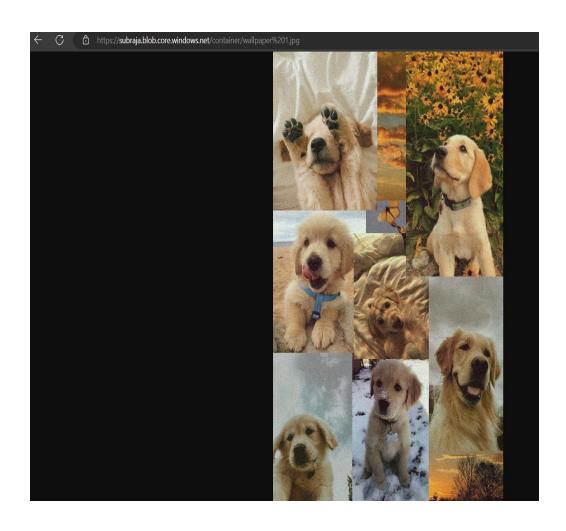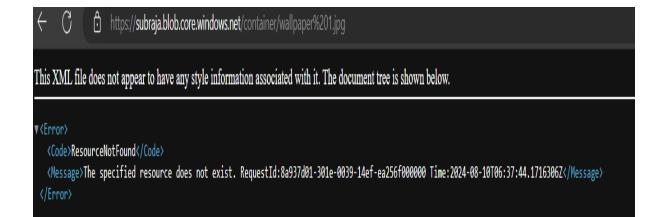|	
URL	https://subraja.blob.cor... 📋
LAST MODIFIED	8/10/2024, 12:04:37 PM
CREATION TIME	8/10/2024, 12:04:37 PM
VERSION ID	-
TYPE	Block blob
SIZE	470.43 KiB
ACCESS TIER	Hot (Inferred)
ACCESS TIER LAST MODIFIED	N/A
ARCHIVE STATUS	-
REHYDRATE PRIORITY	-
SERVER ENCRYPTED	true
ETAG	0x8DCB90681C35459
VERSION-LEVEL IMMUTABILITY POLICY	Disabled
CACHE-CONTROL	
CONTENT-TYPE	image/jpeg
CONTENT-MD5	aZLm5+nYWlkpiR6uBz71wg...
CONTENT-ENCODING	

FINAL OUTPUT:-

BADGES:-