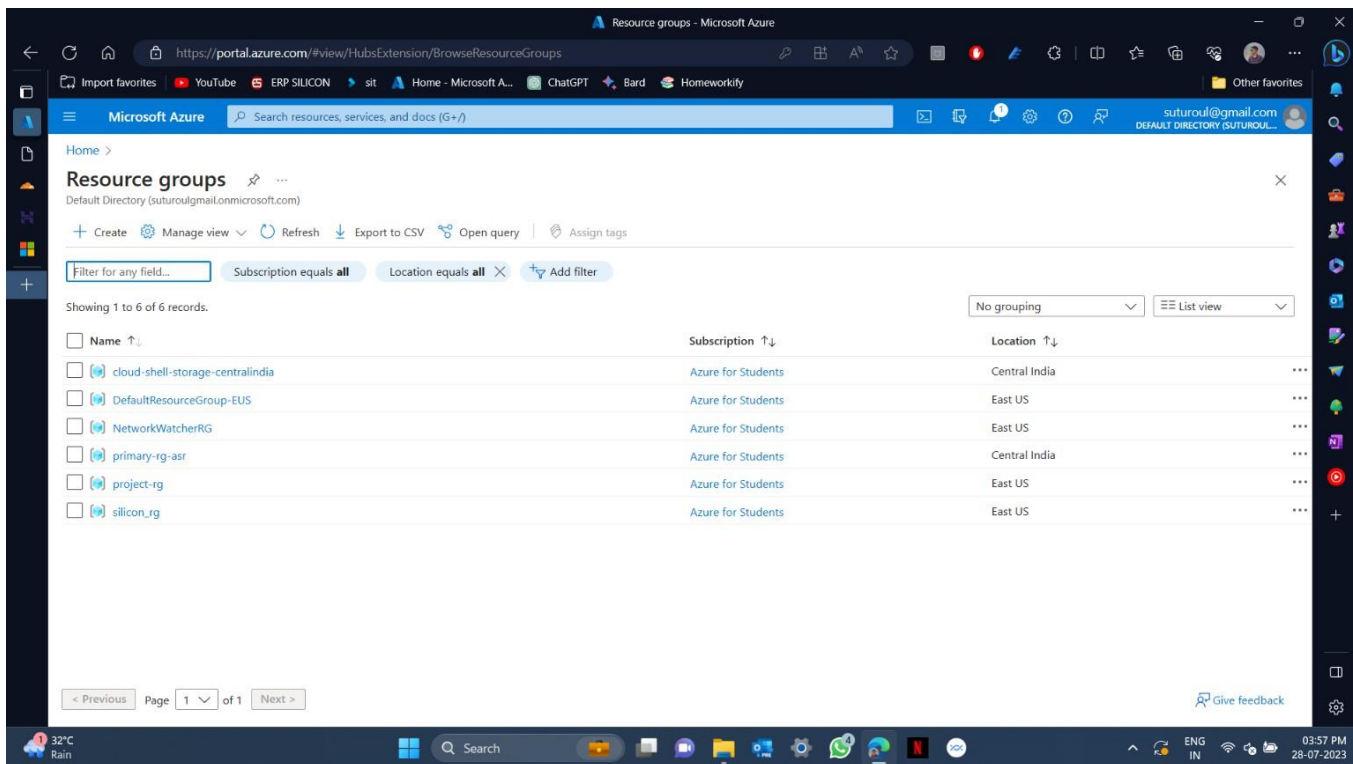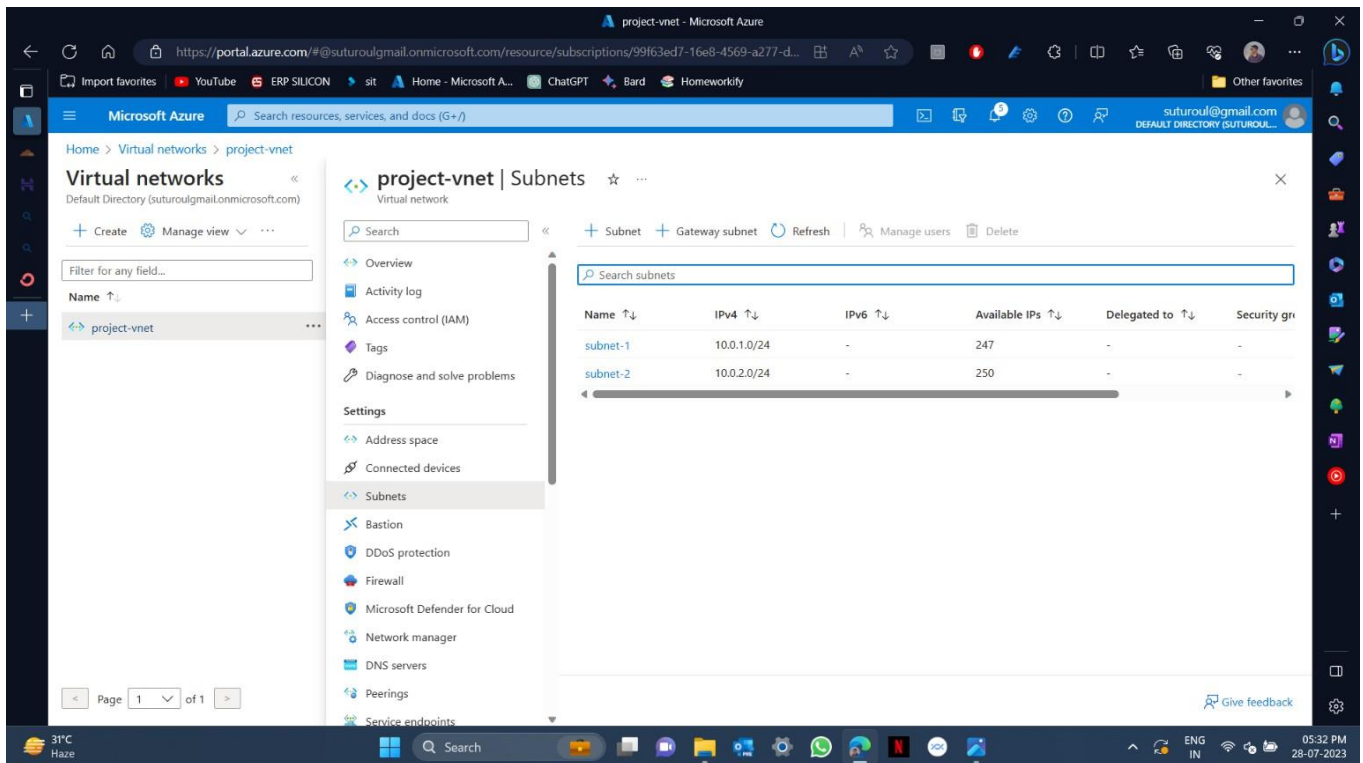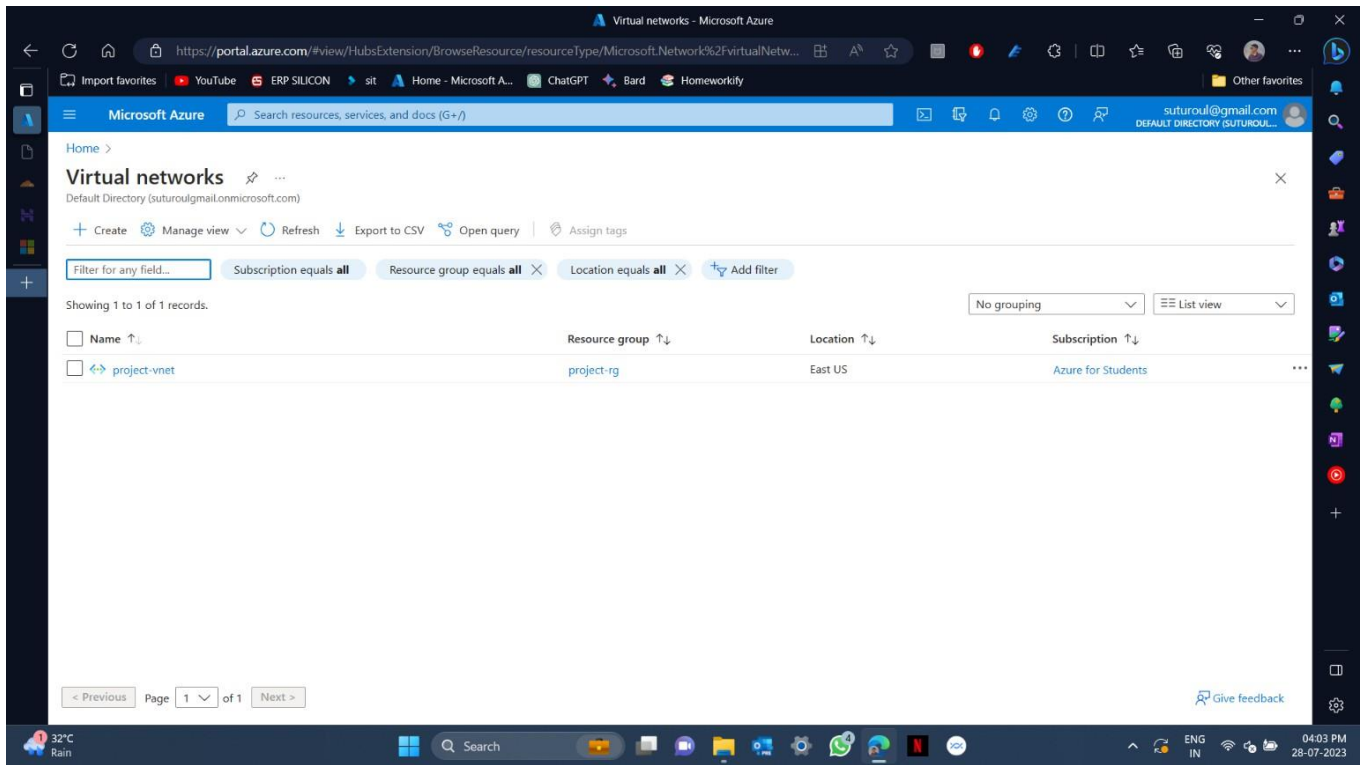# PROJECT AZURE by ASHIS RANJAN HOTA

22BCSD80 BATCH-1

- First i created a resource group named "project-rg"

- Then i created a virtual network named "project-vnet"

- Then i created 3 virtual machines 2 with public ip and 1 with private ip

- The 2 virtual machines are hosted as windows-vm and the other one as a sql server with windows-vm(there was a image of this server) named "vm-1" , "vm-2"

, "db-vm-sql"

- Then i rdp the both servers and made them as web-servers
- Then i rdp the private server the db server inside one of the vm and connected sql to it then created some table before connecting to sql i made a sql server to connect through sql by sql authentication
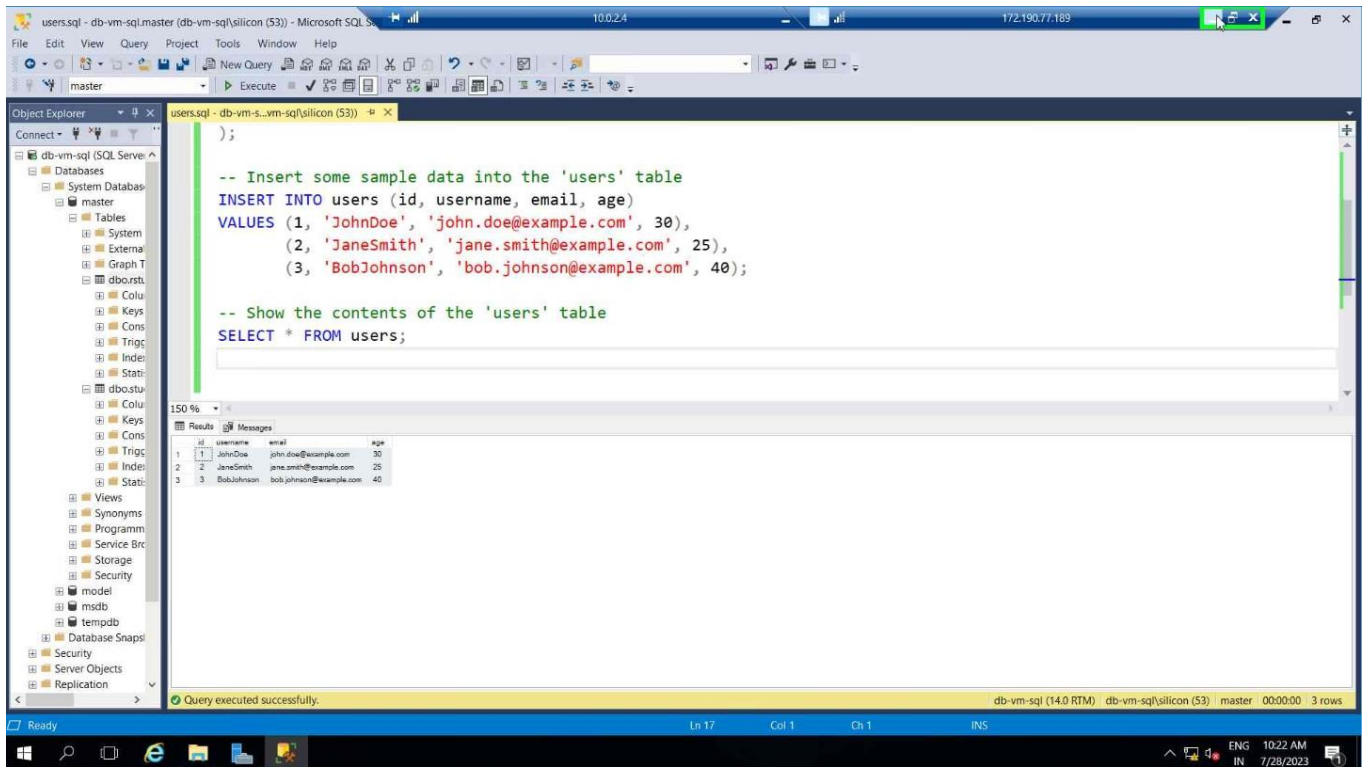
- After this i downloaded templates from internet and pasted them in both the web servers
- Then after doing this i created a standard load balancer then i integrated both the ips of the web servers with the load balancer ip
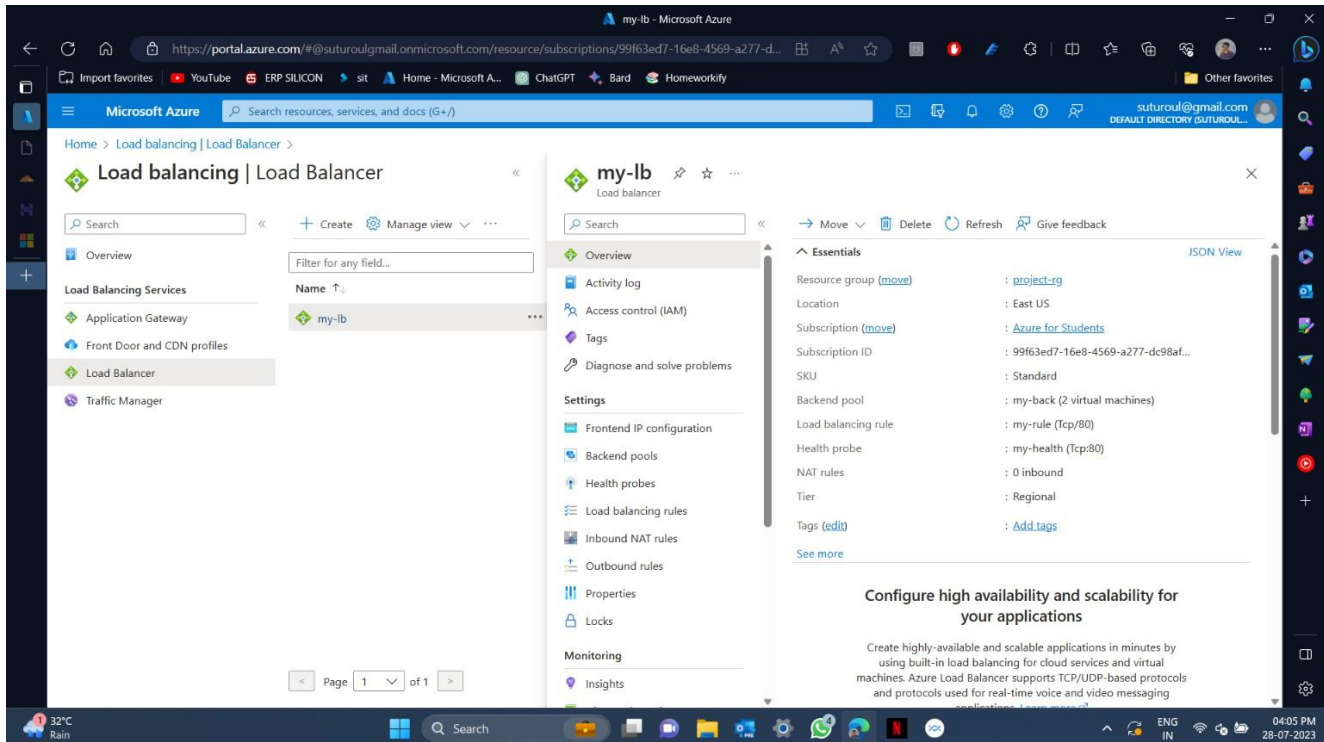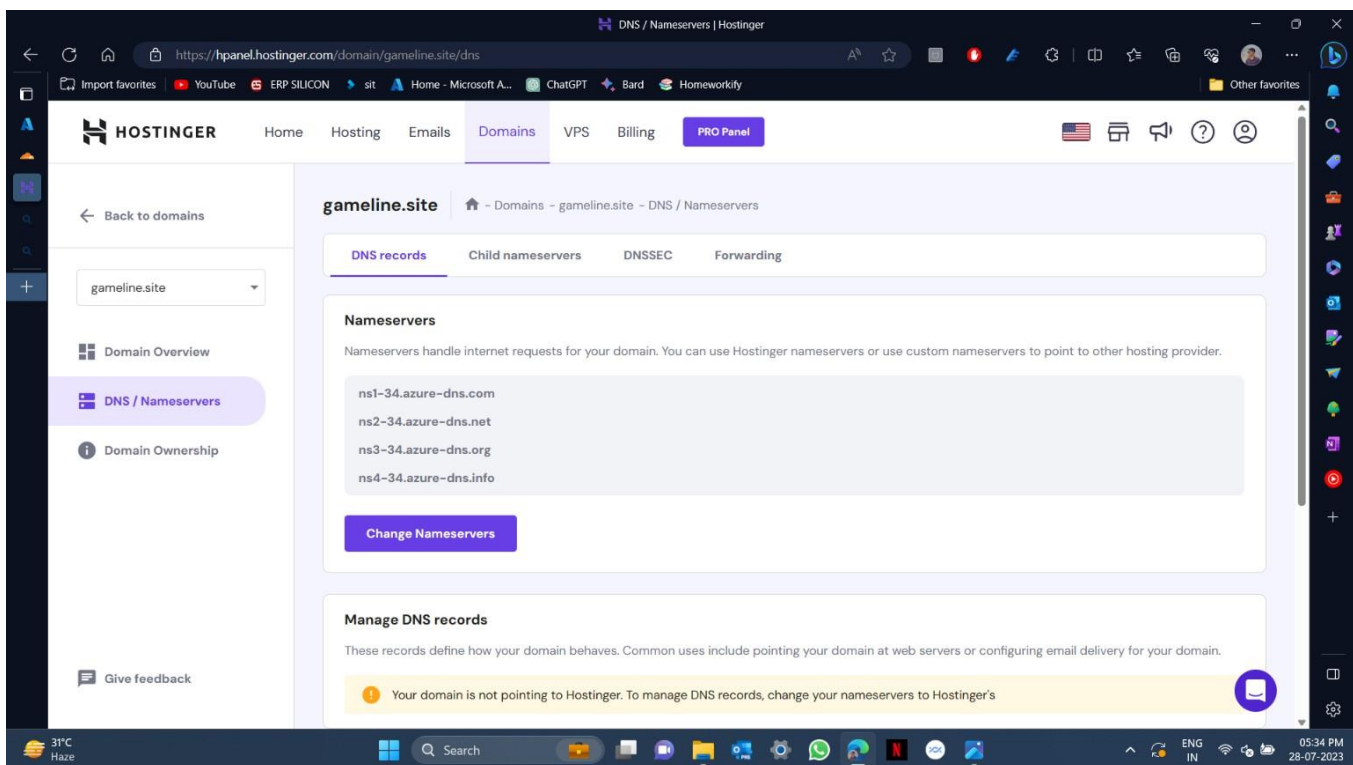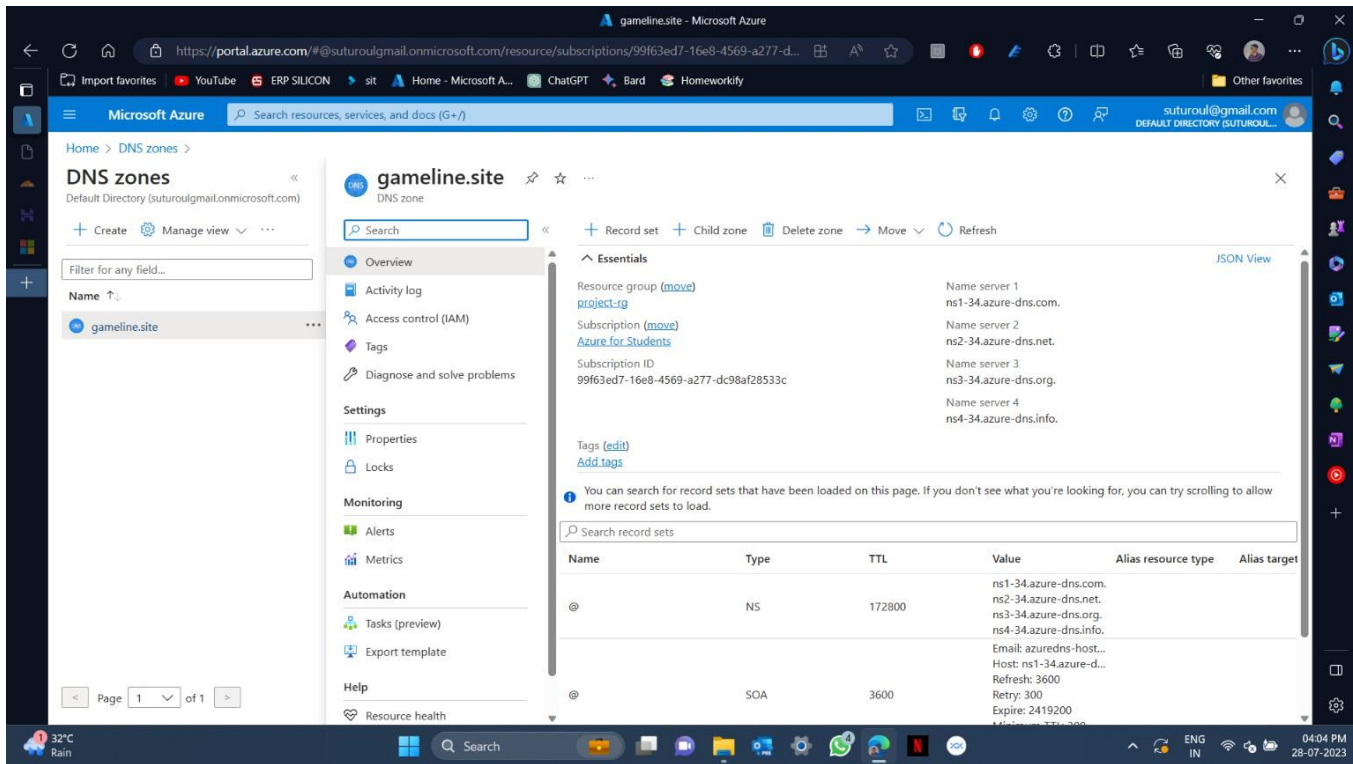
- Now with the load balancer ip i was able to viem both of the websites hosted in my web servers
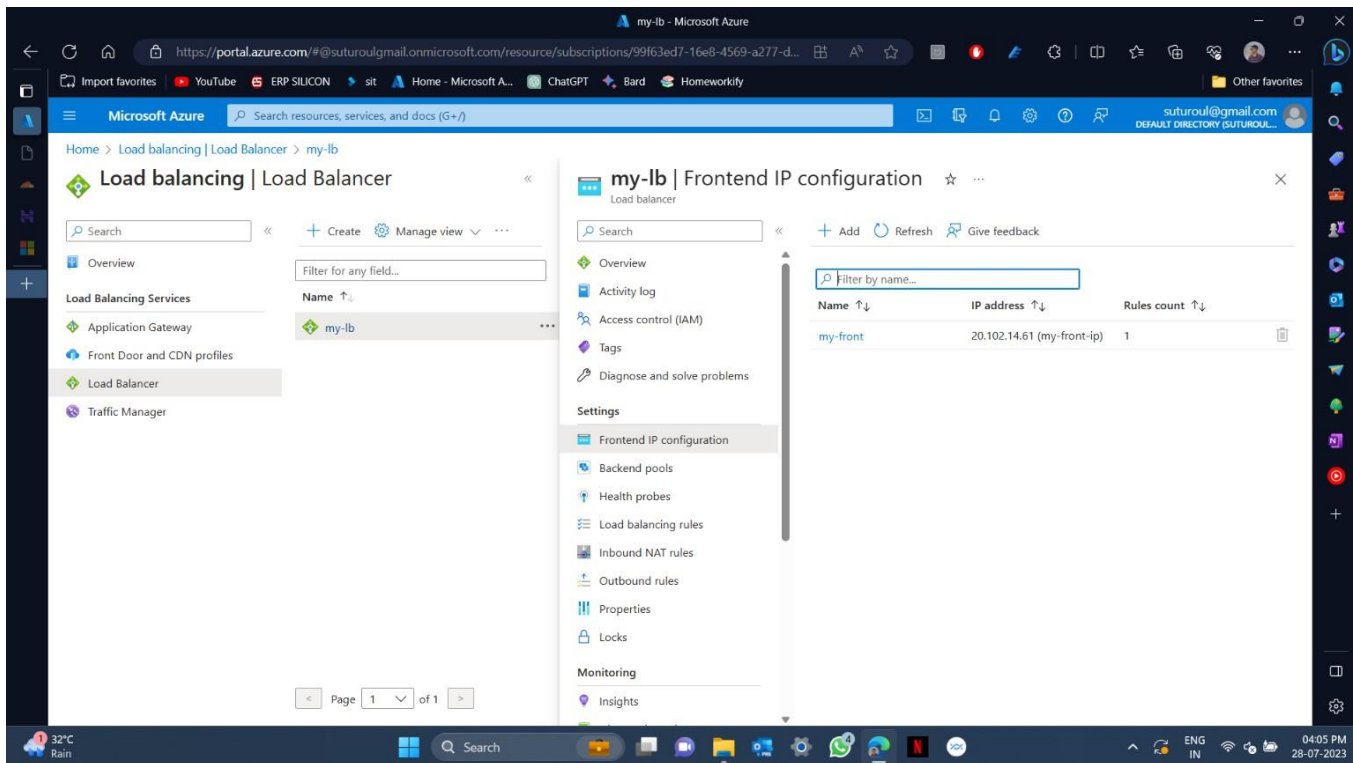
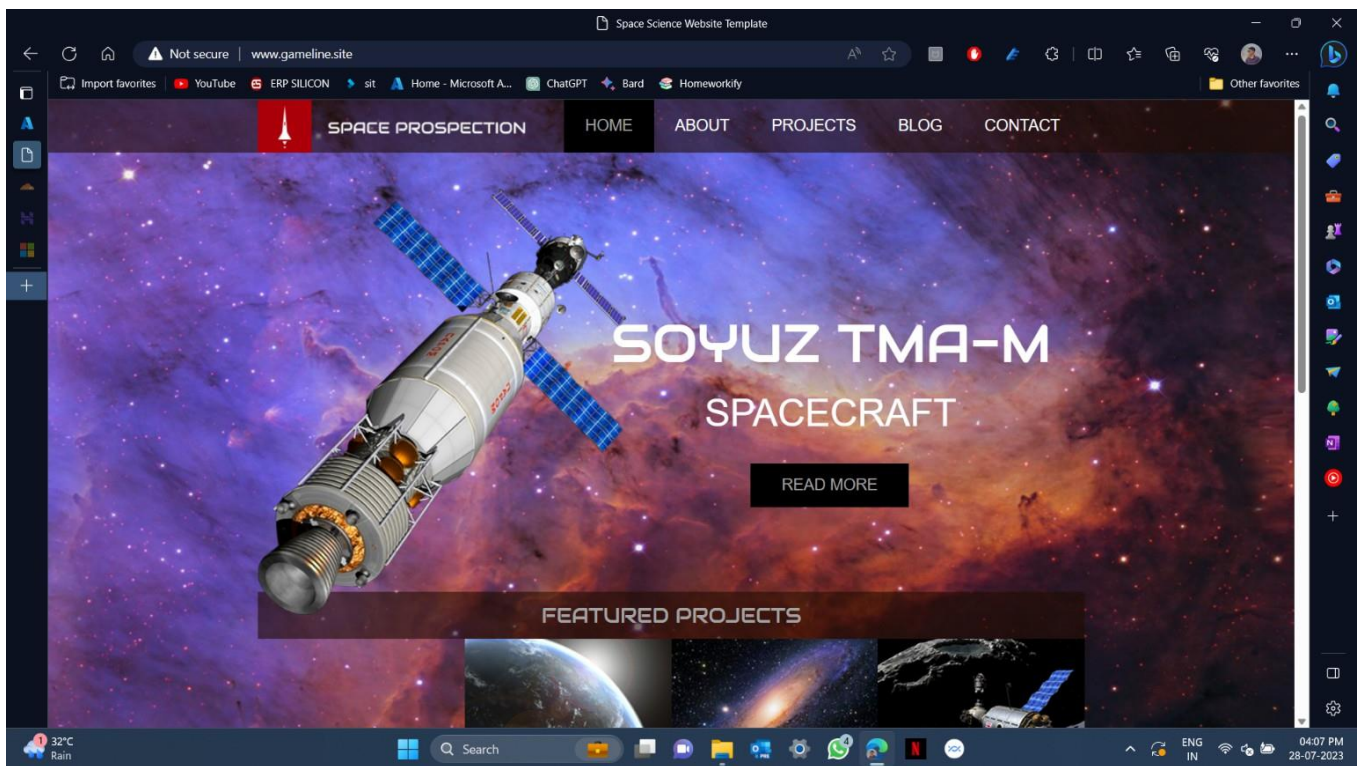- Then i purchased a domain from hostinger named "www.gameline.site"
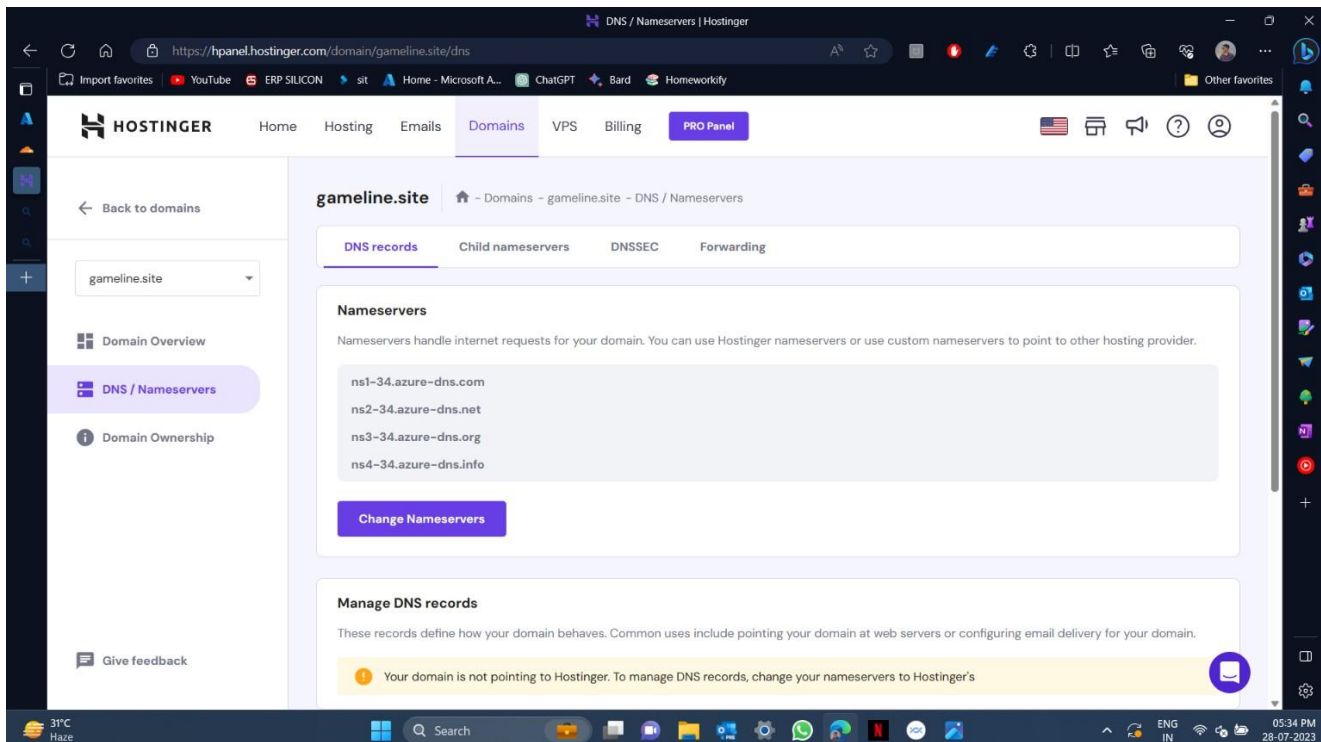
- Then i came back to azure to configure dns after creating it i took the dns nameservers of azure dns and placed it on hostinger dns finally now my websites are hosted

- But they are not secured so with the help of the azure front door and cdn services and with cloadflare i created ssl certificate and secured my website

- At first i debuged a lot then i came to a conclusion to try azure 1st then i tried azure front door service and by following a microsoft documentention but at 1st i was not succeed in this then i done dubug and tried cloudflare service as it was provieding free ssl to custom domains i tried and succeed at that then i thought why this azure front door service is not giving ssl security then i tried once again

and this time everything gone well and my site was secured it was interesting as i was in student subsscription of azure the ssl certificate by app service was not available for us so i tried using front door and cdn services

- Now my website was fully secured. (It was done by cloudflare so the organization in certificate is Google)

Certificate Viewer: gameline.site

General Details

Issued To

Common Name (CN)	gameline.site
Organization (O)	<Not Part Of Certificate>
Organizational Unit (OU)	<Not Part Of Certificate>

Issued By

Common Name (CN)	GTS CA 1P5
Organization (O)	Google Trust Services LLC
Organizational Unit (OU)	<Not Part Of Certificate>

Validity Period

Issued On	Friday, July 28, 2023 at 12:46:27 PM
Expires On	Thursday, October 26, 2023 at 12:46:26 PM

Fingerprints

SHA-256 Fingerprint	82 28 86 34 D4 66 90 6E BA 4D 3F 96 29 77 89 96 34 28 C2 8E 37 B4 E6 AF A7 A2 3E F4 9A B5 61 BE
SHA-1 Fingerprint	24 0D ED 00 4F 8A 81 09 90 BC 32 25 81 45 34 73 7D 23 38 95
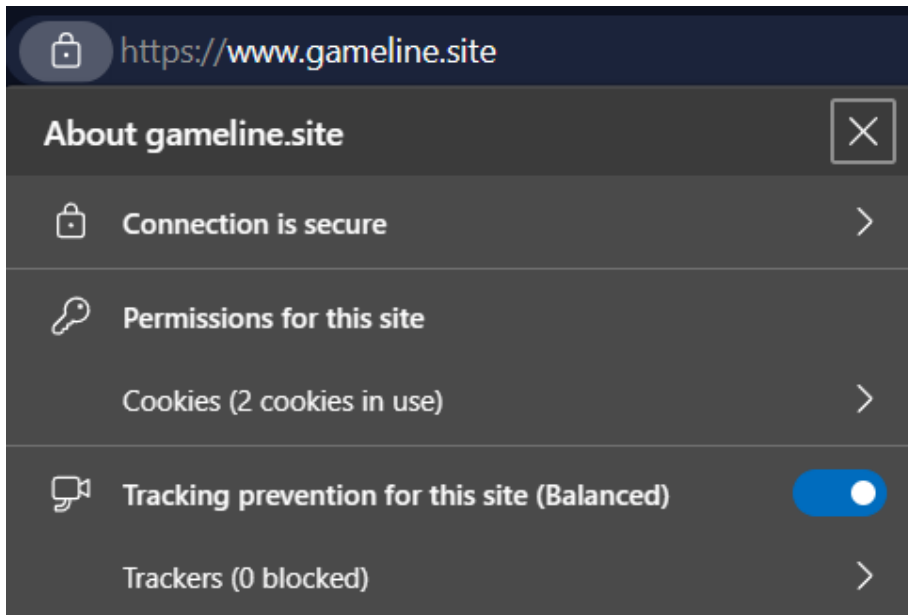
- Now, I did it with Azure front door and cdn services (so the organization name in the certificate is DigiCert which affiliate with Microsoft)

Certificate Viewer: www.gameline.site

General Details

Issued To

Common Name (CN)	www.gameline.site
Organization (O)	<Not Part Of Certificate>
Organizational Unit (OU)	<Not Part Of Certificate>

Issued By

Common Name (CN)	GeoTrust Global TLS RSA4096 SHA256 2022 CA1
Organization (O)	DigiCert, Inc.
Organizational Unit (OU)	<Not Part Of Certificate>

Validity Period

Issued On	Friday, July 28, 2023 at 5:30:00 AM
Expires On	Monday, January 29, 2024 at 5:29:59 AM

Fingerprints

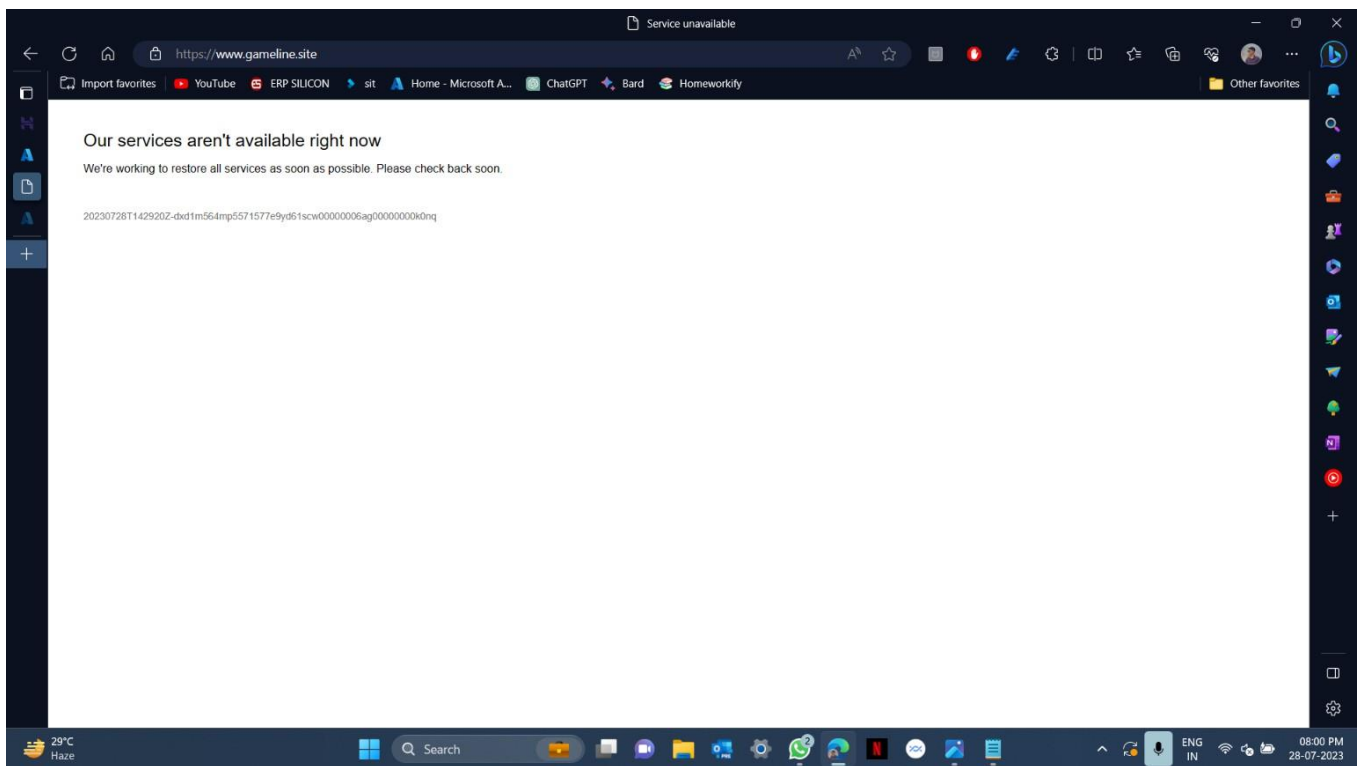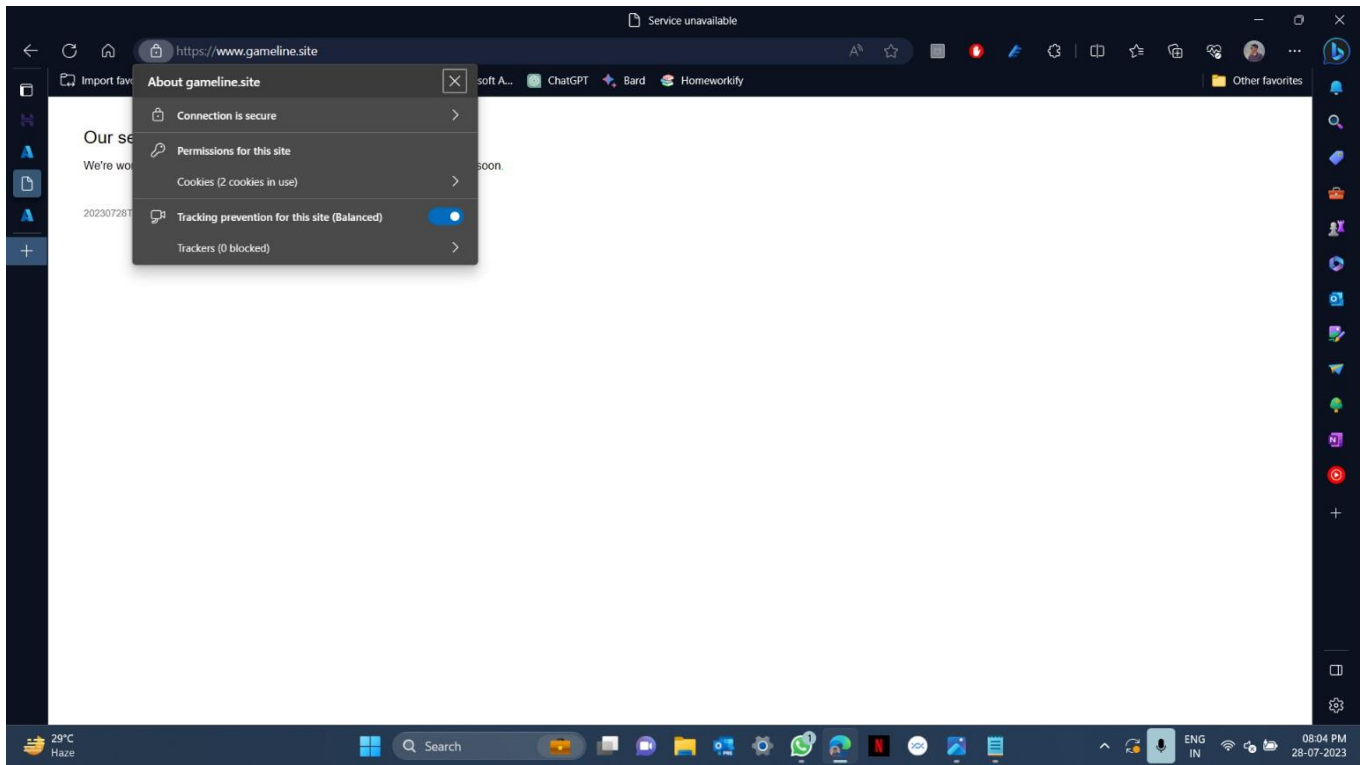|	
SHA-256 Fingerprint	0D D9 38 0E B0 D4 E8 B0 45 DA 2B 4A E7 F7 A6 B8 98 B6 02 D6 E4 5E C3 7C 3A D2 A8 C3 15 28 38 3F
SHA-1 Fingerprint	4A A6 C5 61 CD 75 9A 91 26 4D 88 61 8C 71 7D B6 93 94 0E D0

- After this i took all the necessary screenshots and deleted my resource group while deleting i checked my website it went down but was still ssl protected as front door services were running

- Then after fully deleting it all the servers went down and our ssl verification was also revoked as it was deleted too
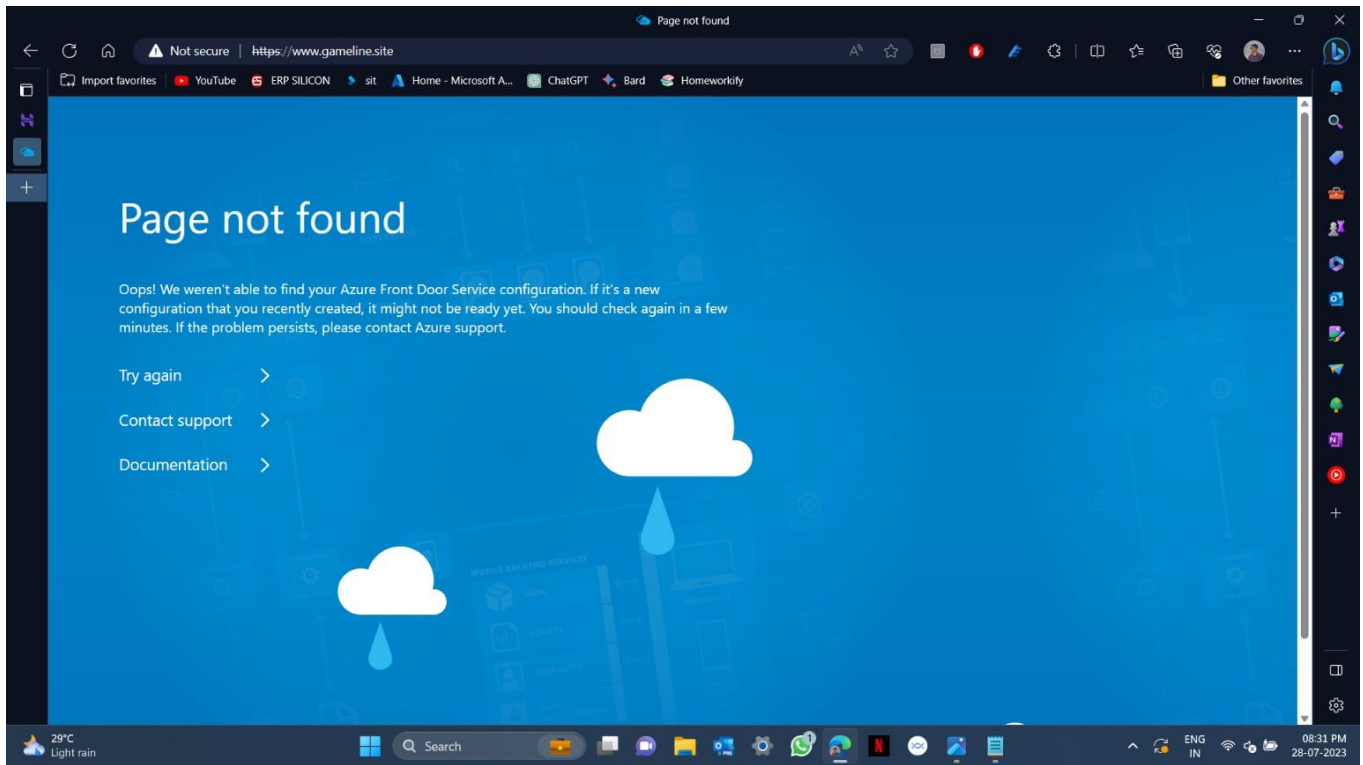
- Now the website can't be reached as I have deleted all the resources.

This site can't be reached

Check if there is a typo in www.gameline.site.

DNS_PROBE_FINISHED_NXDOMAIN

- It is all about my project on Azure.

THANK YOU