Dr. N.G.P INSTITUTE OF TECHNOLOGY, COIMBATORE - 641048
AN AUTONOMOUSINSTITUTION

Reg No : 710722104006

Name : Angelin Nivya G

Class : III Year CSE A

Start Date : 06.08.2024

End Date : 10.08.2024

Git URL : https://github.com/AngelinNivyaG/first1.git

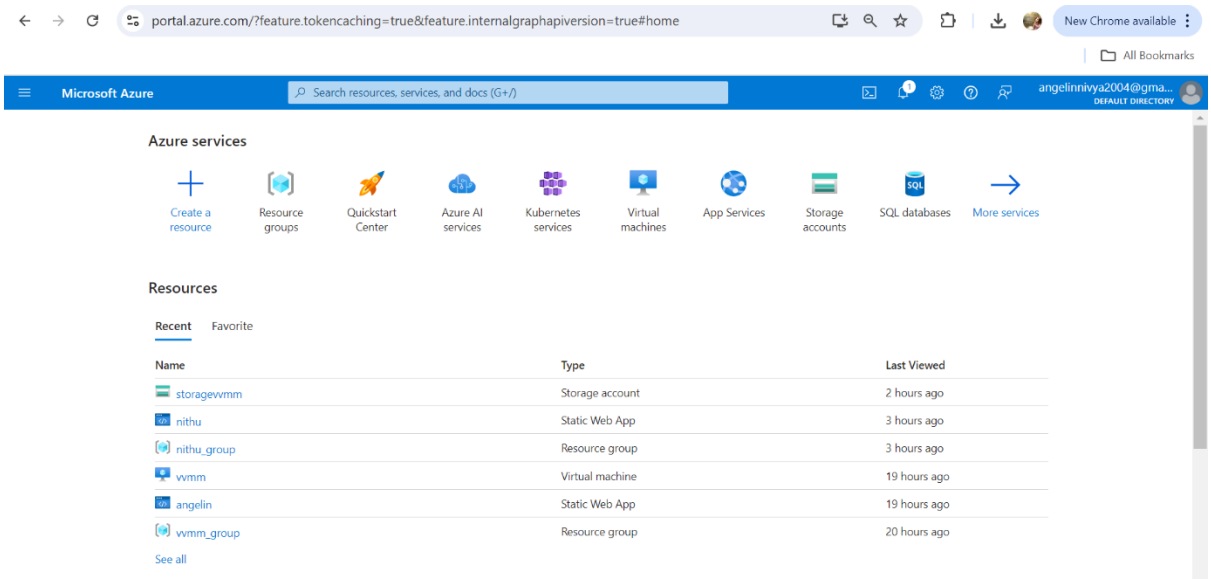
Course Name : Microsoft azure Fundamentals

Company : Pinesphere Solution,Coimbatore

TABLE OF CONTENT

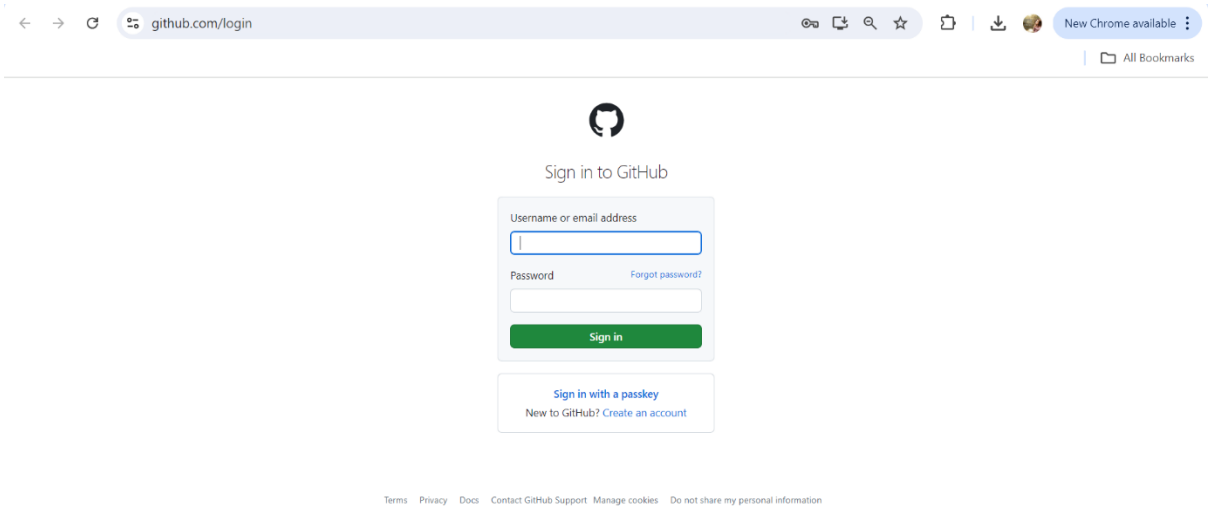
MICROSOFT ACCOUNT:

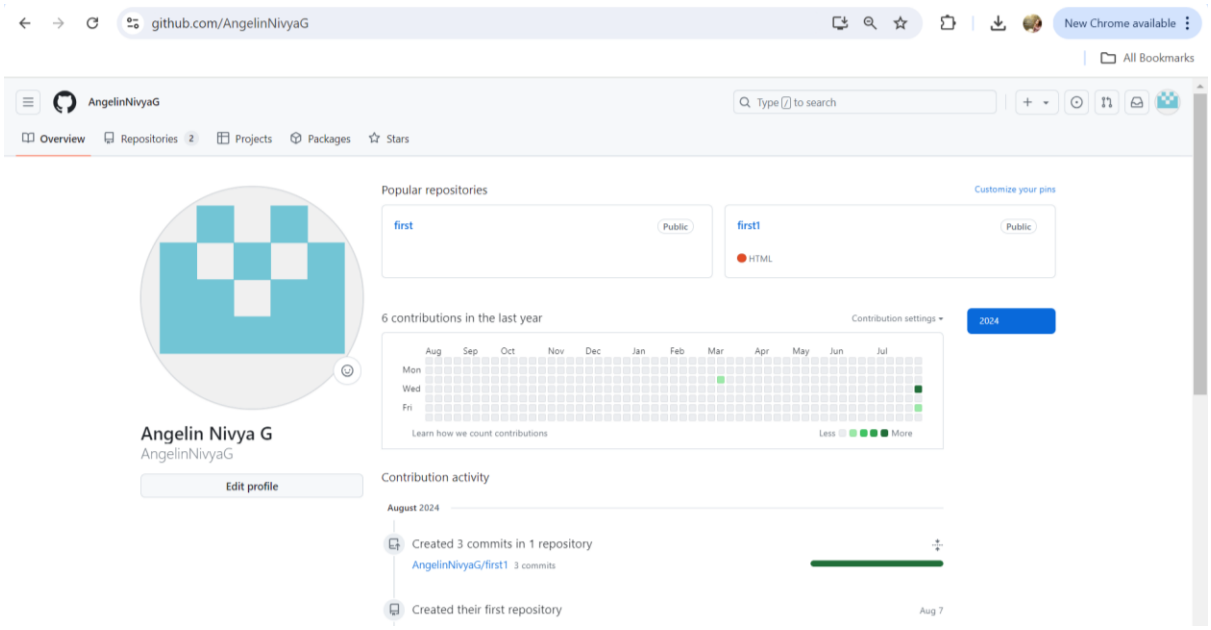
A Microsoft account is your gateway to accessing a variety of Microsoft services, including Outlook, OneDrive, Office Online, more. By creating a Microsoft account, you gain a single sign-in that connects you to these services seamlessly, whether you're managing emails, storing files in the cloud, or collaborating on documents. Your account also allows you to personalize your Windows experience, sync settings across devices, and access your favorite apps and games through the Microsoft Store. Security is a priority, with features like multi-factor authentication and account recovery options to keep your information safe. With a Microsoft account, you can easily manage your digital life across all your devices, ensuring that everything you need is just a click away



GitHub ACCOUNT:

A GitHub account lets you host and manage code repositories, collaborate with developers, and contribute to open-source projects. It offers version control, project management tools, and the ability to showcase your work to the global developer community. GitHub also allows you to explore and contribute to millions of projects, enhancing your skills and visibility. With features like private repositories and GitHub Pages, it’s an essential tool for any developer.This Is my Repository named Profile and my GIT-URL is https://github.com/AngelinNivyaG





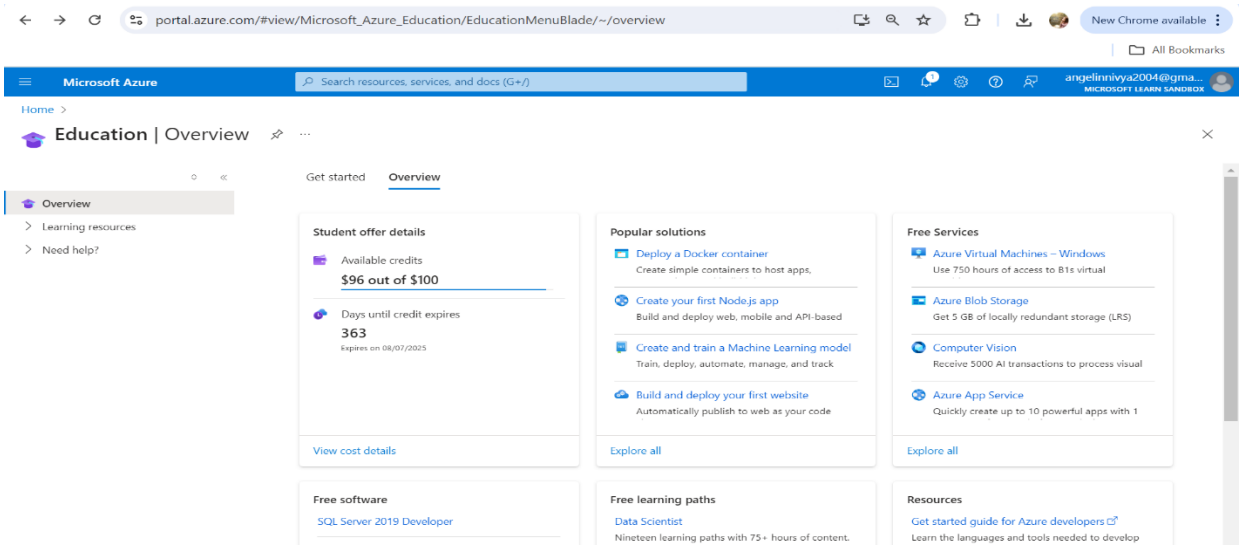
CREATING A VIRTUAL MACHINE (VM) IN MICROSOFT AZURE:

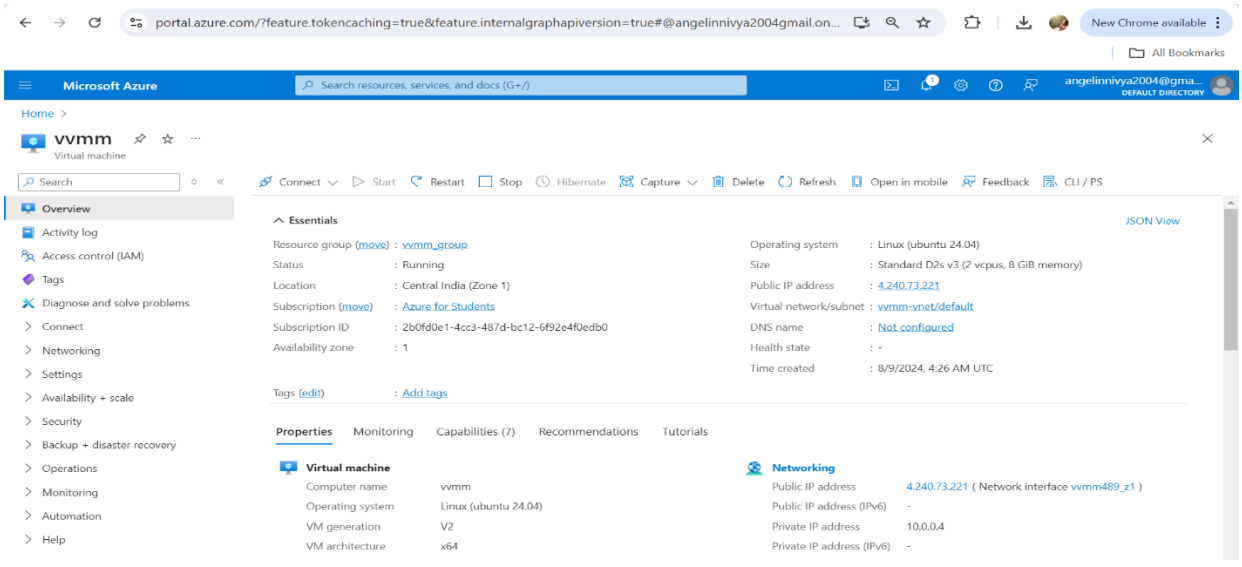
Creating A Virtual Machine (Vm) In Microsoft Azure Involves The Following Steps:

1. Sign in to the Azure portal.
2. Navigate to "Create a resource" and select "Virtual Machine."
3. Choose a subscription, resource group, and region.
4. Configure VM settings, including size, OS, and storage.
5. Set up networking, security, and management options.

6. Review and create the VM, then monitor its deployment.

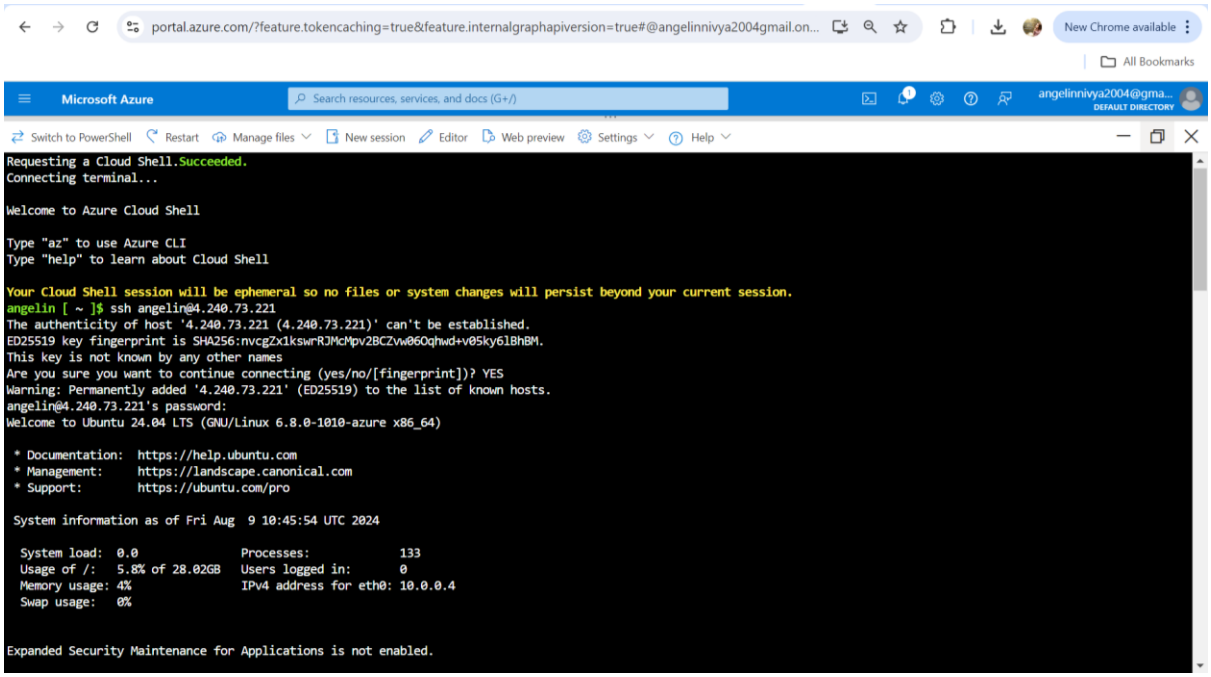
The VM will be ready to use after deployment.

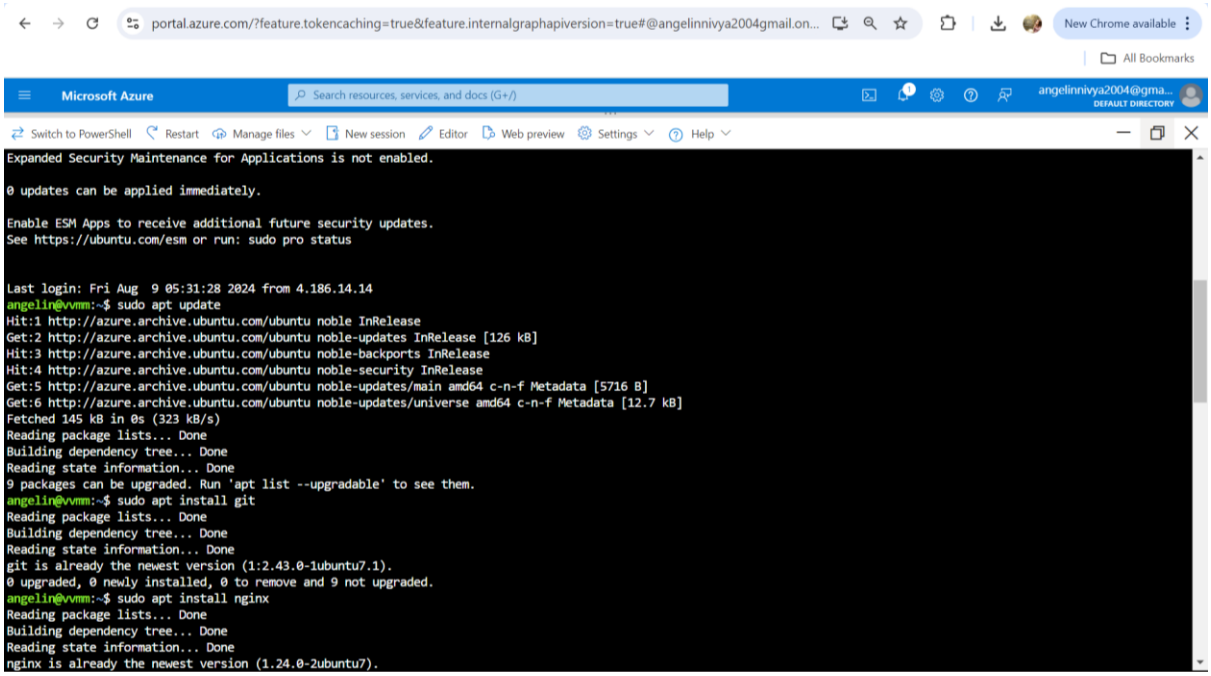


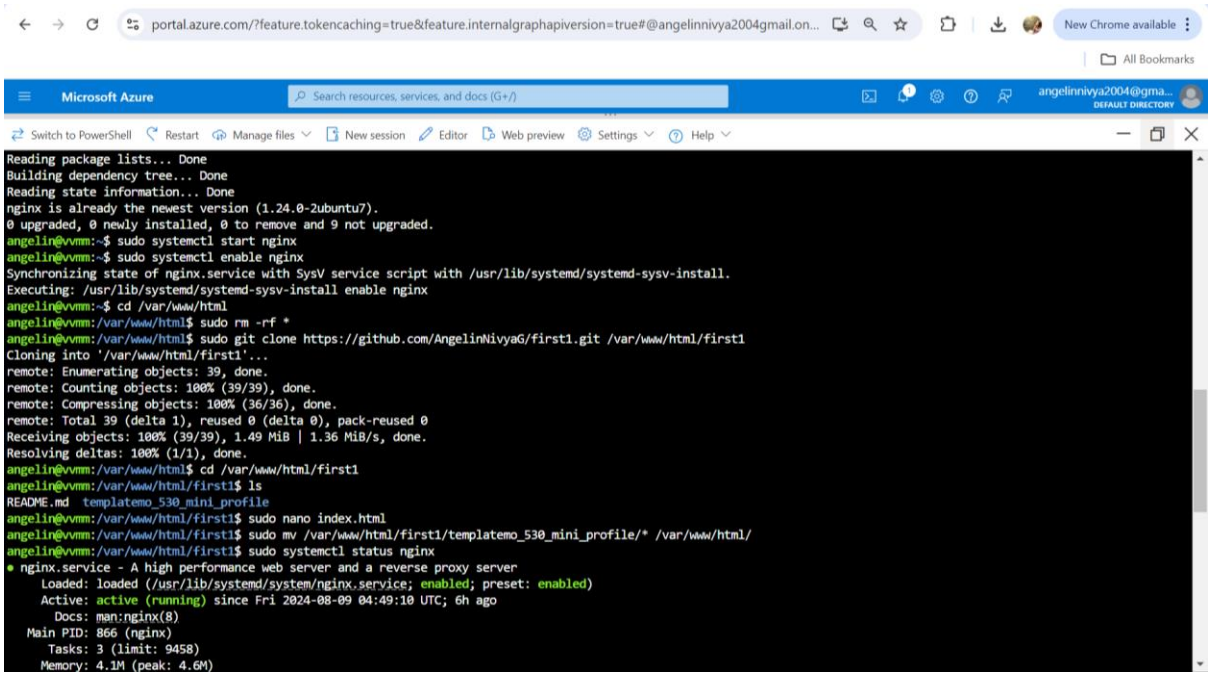


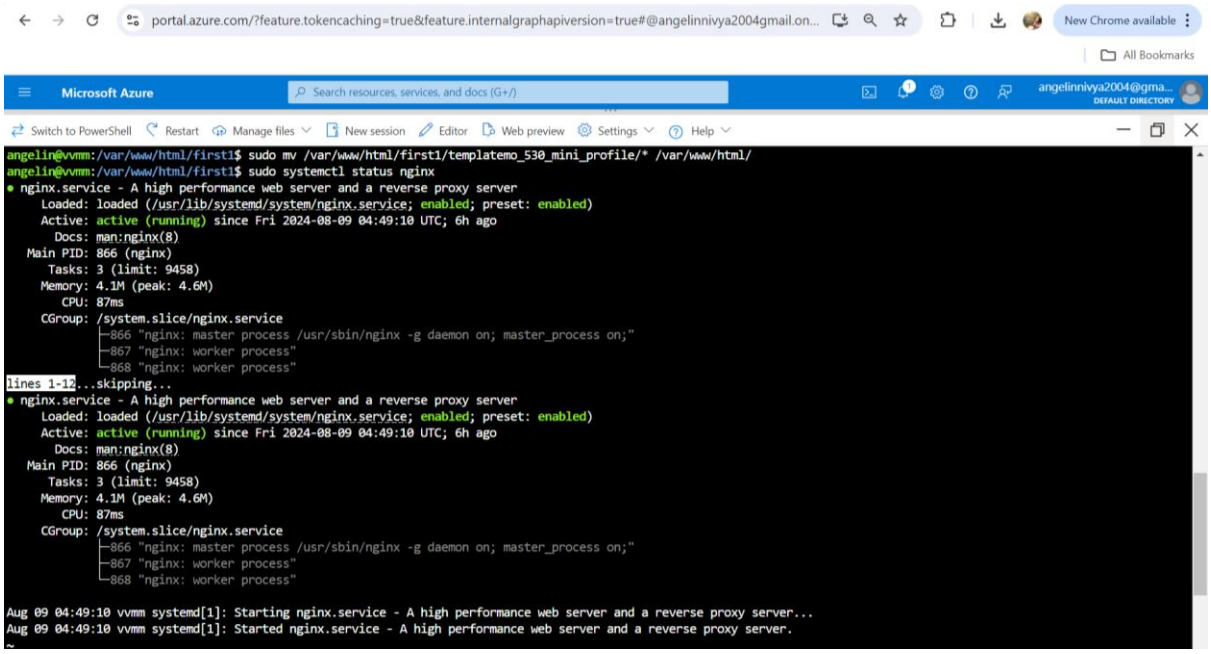
HOST A WEBSITE :

COMMANDS






portal.azure.com/?feature.tokencaching=true&feature.internalgraphapiversion=true#@angelinnivya2004gmail.on...
New Chrome available
All Bookmarks
Microsoft Azure
Search resources, services, and docs (G+/)
angelinnivya2004@gma...
DEFAULT DIRECTORY
Switch to PowerShell
Restart
Manage files
New session
Editor
Web preview
Settings
Help
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
nginx is already the newest version (1.24.0-2ubuntu7).
0 upgraded, 0 newly installed, 0 to remove and 9 not upgraded.
angelin@vvmm:~$ sudo systemctl start nginx
angelin@vvmm:~$ sudo systemctl enable nginx
Synchronizing state of nginx.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install enable nginx
angelin@vvmm:~$ cd /var/www/html
angelin@vvmm:/var/www/html$ sudo rm -rf *
angelin@vvmm:/var/www/html$ sudo git clone https://github.com/AngelinNivyaG/first1.git /var/www/html/first1
Cloning into '/var/www/html/first1'...
remote: Enumerating objects: 39, done.
remote: Counting objects: 100% (39/39), done.
remote: Compressing objects: 100% (36/36), done.
remote: Total 39 (delta 1), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (39/39), 1.49 MiB | 1.36 MiB/s, done.
Resolving deltas: 100% (1/1), done.
angelin@vvmm:/var/www/html$ cd /var/www/html/first1
angelin@vvmm:/var/www/html/first1$ ls
README.md templatemo_530_mini_profile
angelin@vvmm:/var/www/html/first1$ sudo nano index.html
angelin@vvmm:/var/www/html/first1$ sudo mv /var/www/html/first1/templatemo_530_mini_profile/* /var/www/html/
angelin@vvmm:/var/www/html/first1$ sudo systemctl status nginx
● nginx.service - A high performance web server and a reverse proxy server
Loaded: loaded (/usr/lib/systemd/system/nginx.service; enabled; preset: enabled)
Active: active (running) since Fri 2024-08-09 04:49:10 UTC; 6h ago
Docs: man:nginx(8)
Main PID: 866 (nginx)
Tasks: 3 (limit: 9458)
Memory: 4.1M (peak: 4.6M)


portal.azure.com/?feature.tokencaching=true&feature.internalgraphapiversion=true#@angelinnivya2004gmail.on...
New Chrome available
All Bookmarks
Microsoft Azure
Search resources, services, and docs (G+/)
angelinnivya2004@gma...
DEFAULT DIRECTORY
Switch to PowerShell
Restart
Manage files
New session
Editor
Web preview
Settings
Help
angelin@vvmm:/var/www/html/first1$ sudo mv /var/www/html/first1/templatemo_530_mini_profile/* /var/www/html/
angelin@vvmm:/var/www/html/first1$ sudo systemctl status nginx
● nginx.service - A high performance web server and a reverse proxy server
Loaded: loaded (/usr/lib/systemd/system/nginx.service; enabled; preset: enabled)
Active: active (running) since Fri 2024-08-09 04:49:10 UTC; 6h ago
Docs: man:nginx(8)
Main PID: 866 (nginx)
Tasks: 3 (limit: 9458)
Memory: 4.1M (peak: 4.6M)
CPU: 87ms
CGroup: /system.slice/nginx.service
├─866 "nginx: master process /usr/sbin/nginx -g daemon on; master_process on;"
├─867 "nginx: worker process"
└─868 "nginx: worker process"
lines 1-12...skipping...
● nginx.service - A high performance web server and a reverse proxy server
Loaded: loaded (/usr/lib/systemd/system/nginx.service; enabled; preset: enabled)
Active: active (running) since Fri 2024-08-09 04:49:10 UTC; 6h ago
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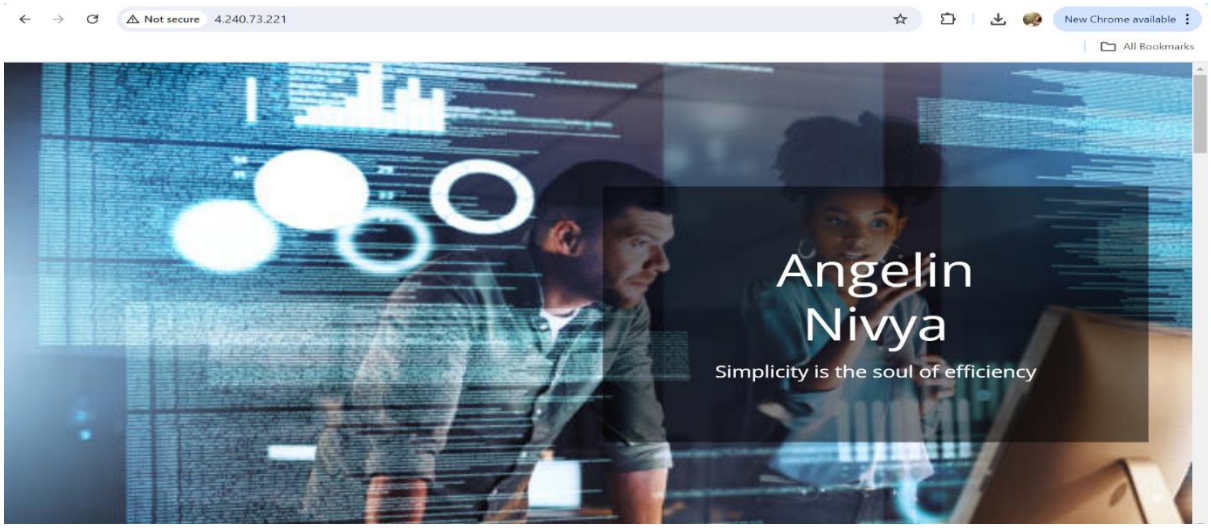
├─866 "nginx: master process /usr/sbin/nginx -g daemon on; master_process on;"
├─867 "nginx: worker process"
└─868 "nginx: worker process"
Aug 09 04:49:10 vvmm systemd[1]: Starting nginx.service - A high performance web server and a reverse proxy server...
Aug 09 04:49:10 vvmm systemd[1]: Started nginx.service - A high performance web server and a reverse proxy server.

OUTPUT:


Not secure
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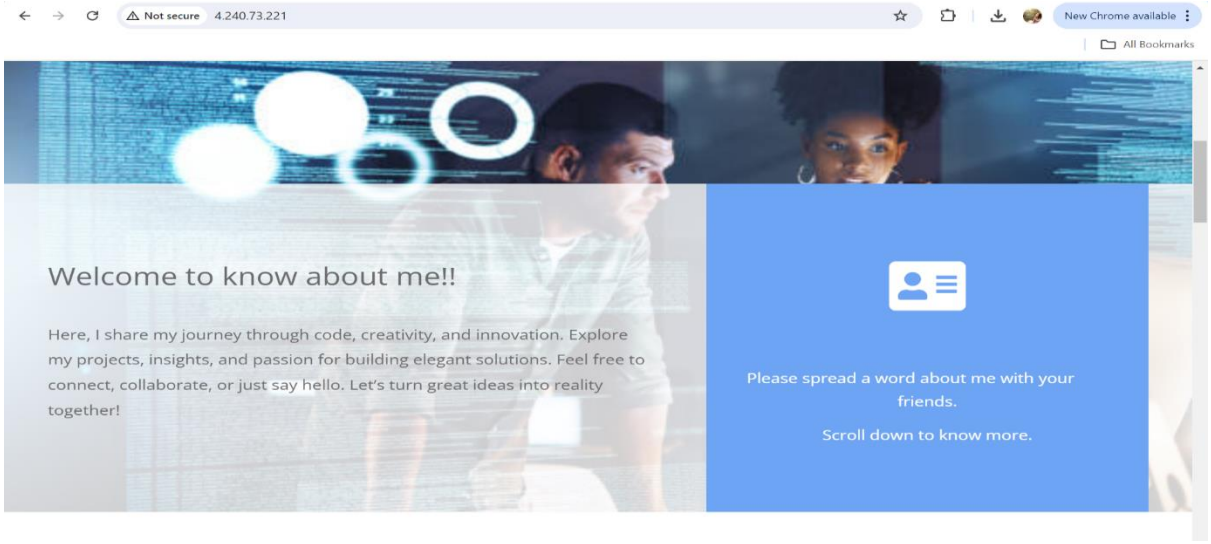
New Chrome available
All Bookmarks
Angelin
Nivya
Simplicity is the soul of efficiency


Not secure
4.240.73.221
New Chrome available
All Bookmarks
Welcome to know about me!!
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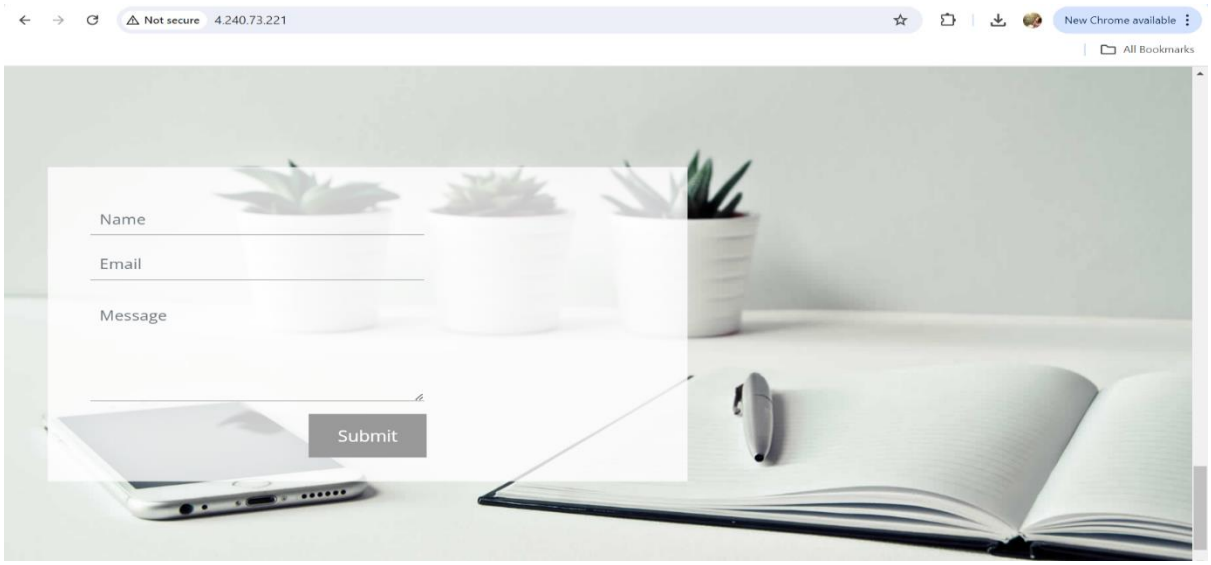
Not secure
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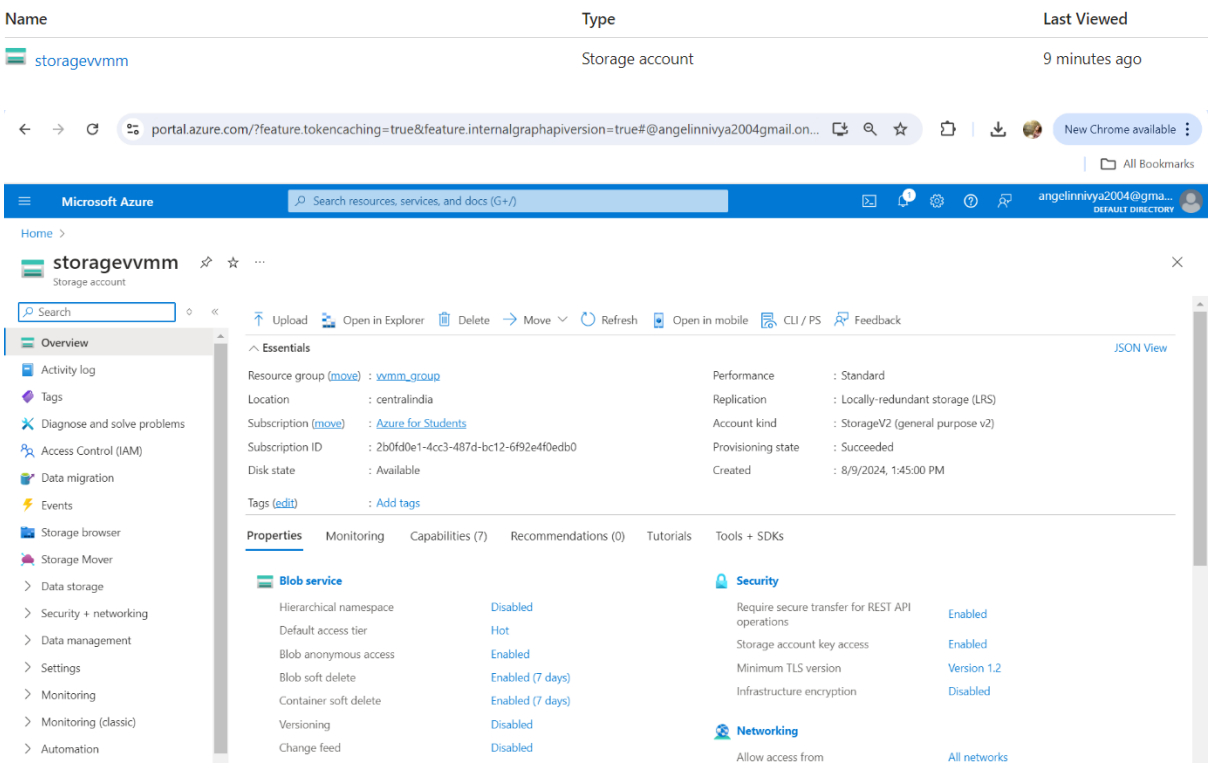
New Chrome available
All Bookmarks
Name
Email
Message
Submit

CREATION OF STORAGE ACCOUNT IN MICROSOFT:

To Create A Storage Account In Microsoft Azure, Follow These Steps:

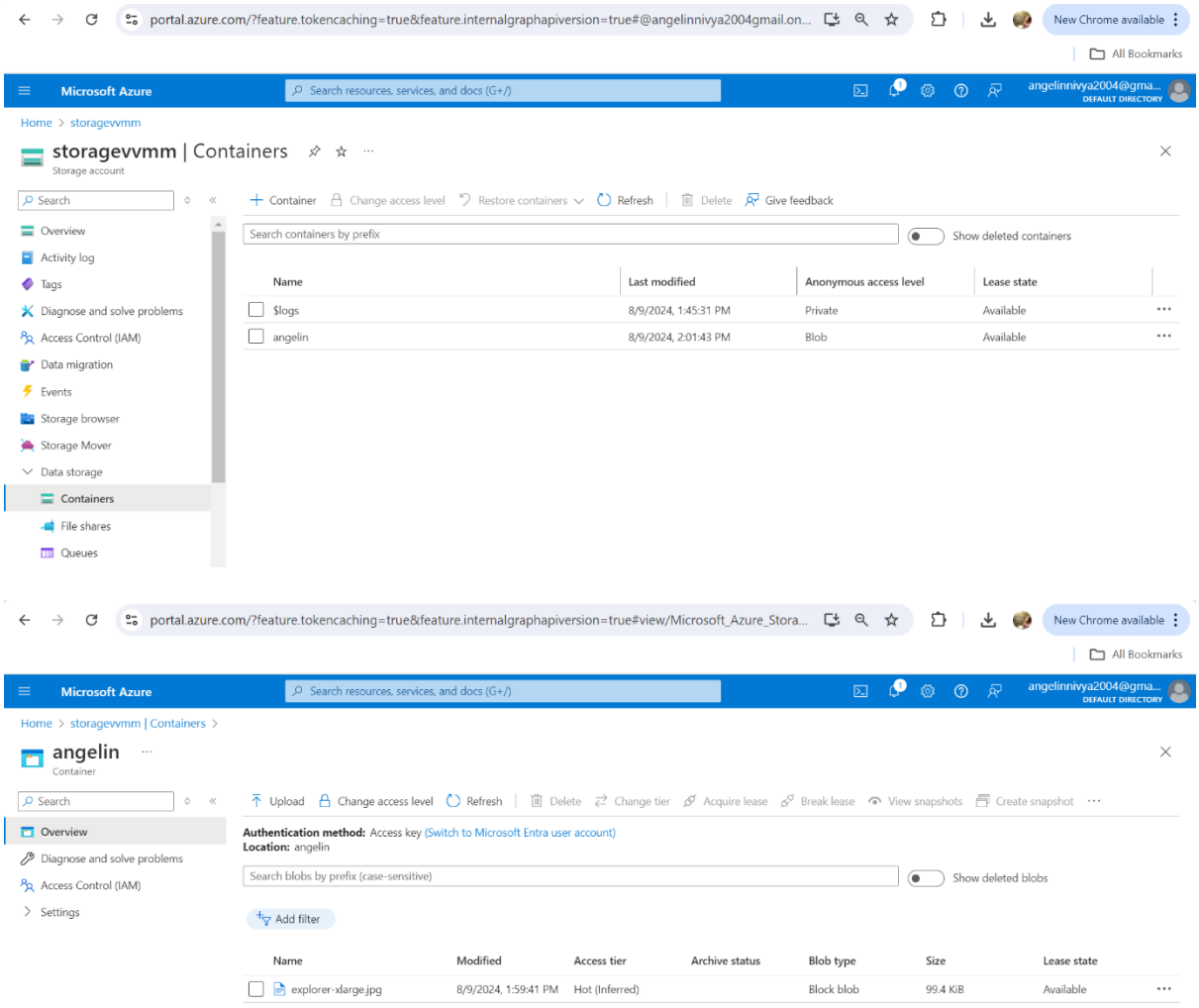
1. Sign in to Azure Portal.
2. Create a Resource
3. Configure the Basics
4. Set Advanced Options
5. Review and Create
6. Access the Storage Account
7. After deployment, access the storage account to manage containers, blobs, files, tables, or queues.



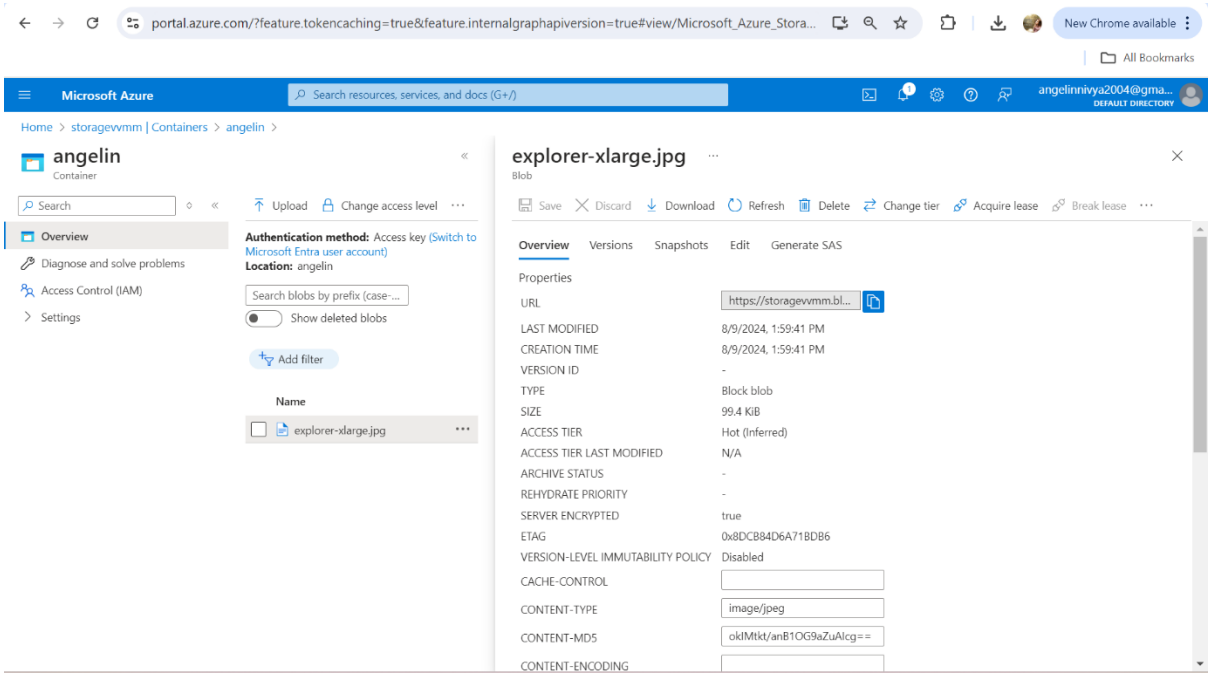
MANAGING OF STORAGE ACCOUNT:

To Upload An Image Into A Container In An Azure Storage Account, Follow These Steps:

1. Access the Storage Account: Sign in to the Azure portal and navigate to your Storage Account.
2. Create a Container: In the Storage Account, select "Containers" and click "Add Container." Name the container and set the access level (private, blob, or container).
3. Open the Container: Once created, click on the container to open it.
4. Upload the Image: Click the "Upload" button within the container. In the upload window, browse your local machine to select the image file.
5. Configure Upload Settings: Optional - You can set advanced upload options like overwriting existing files, setting metadata, or assigning blob tier.
6. Start the Upload: Click "Upload" to start the process. Once the upload is complete, your image will be stored in the container and accessible based on the access level you set.



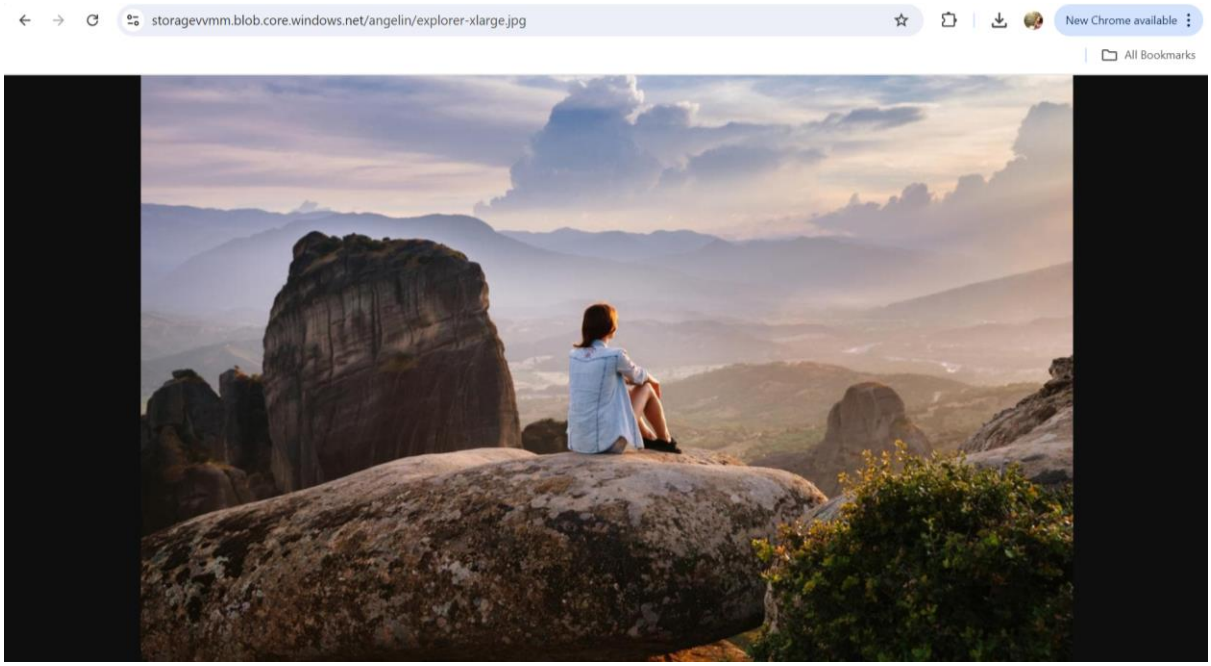
AFTER UPLOADED THE IMAGE :



URL PATH OF IMAGE :

https://storagevvmm.blob.core.windows.net/angelin/explorer-xlarge.jpg

OUTPUT:



STATIC WEB PAGE:

Deploying a Static Web Page on Azure

Using Azure Static Web App:

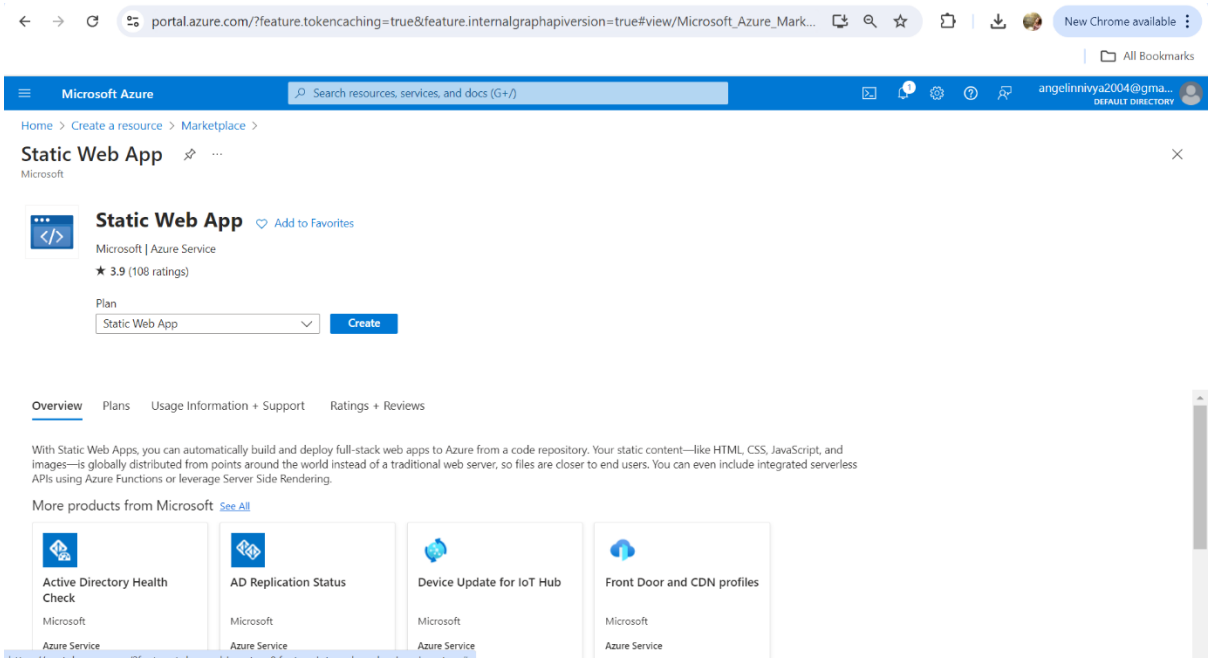
Prepare Your Site: Develop your static site and push it to a GitHub repository.

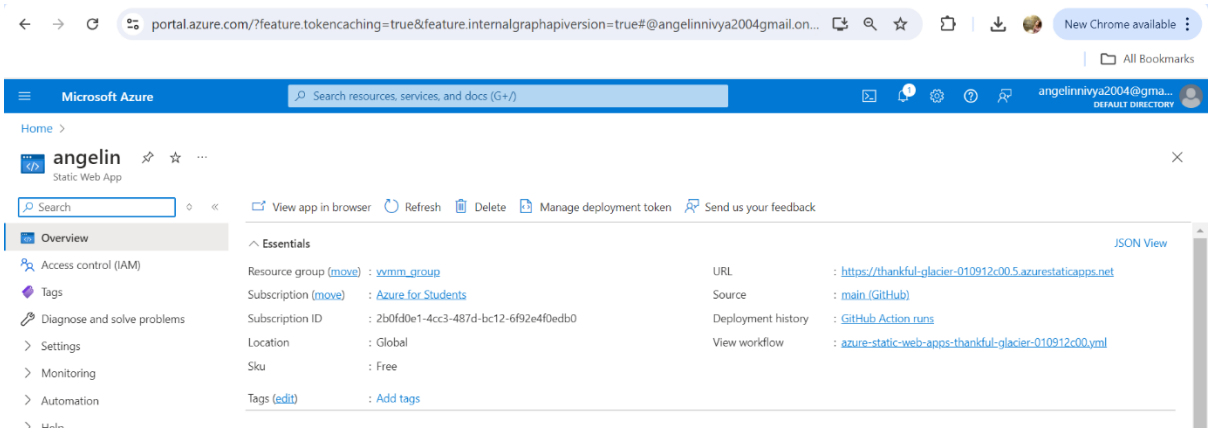
Set Up Azure Static Web Apps:

1. Sign in to Azure Portal.
2. Click Create a resource > Static Web Apps.
3. Connect to your GitHub repo and branch.

Deploy and Access:

1. Azure deploys your site automatically.
2. Access it via the provided URL

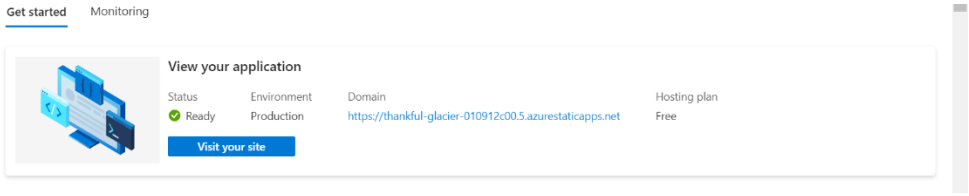




Access Your GitHub Pages Site :

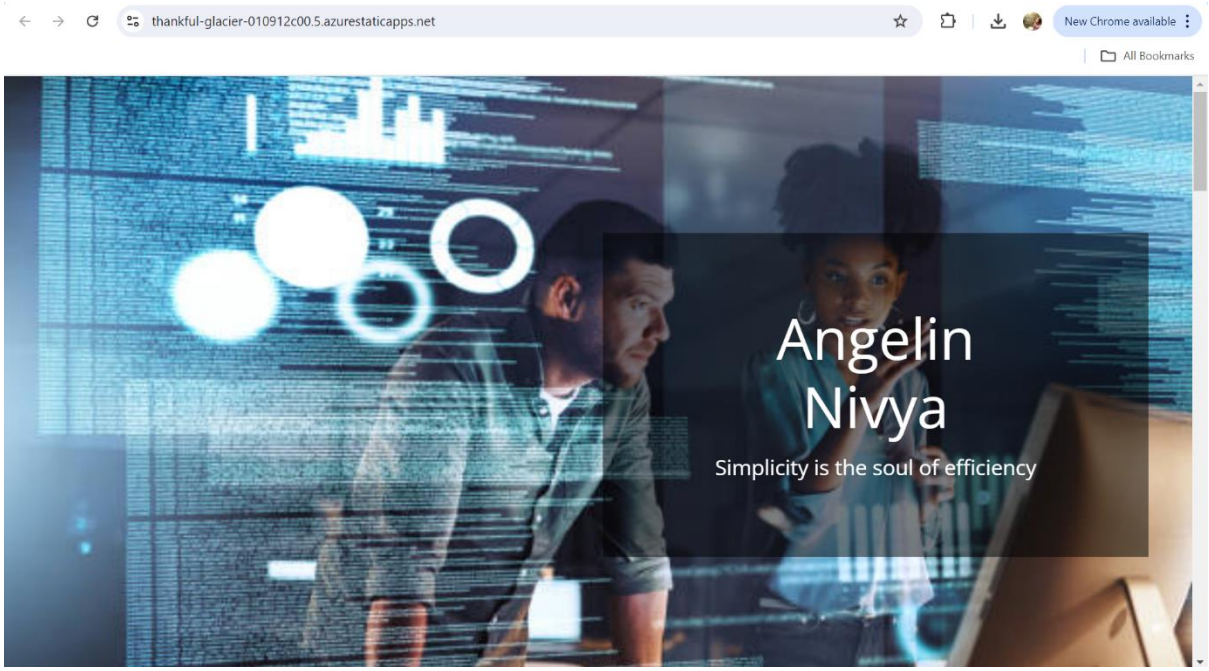
Visit Your Site:

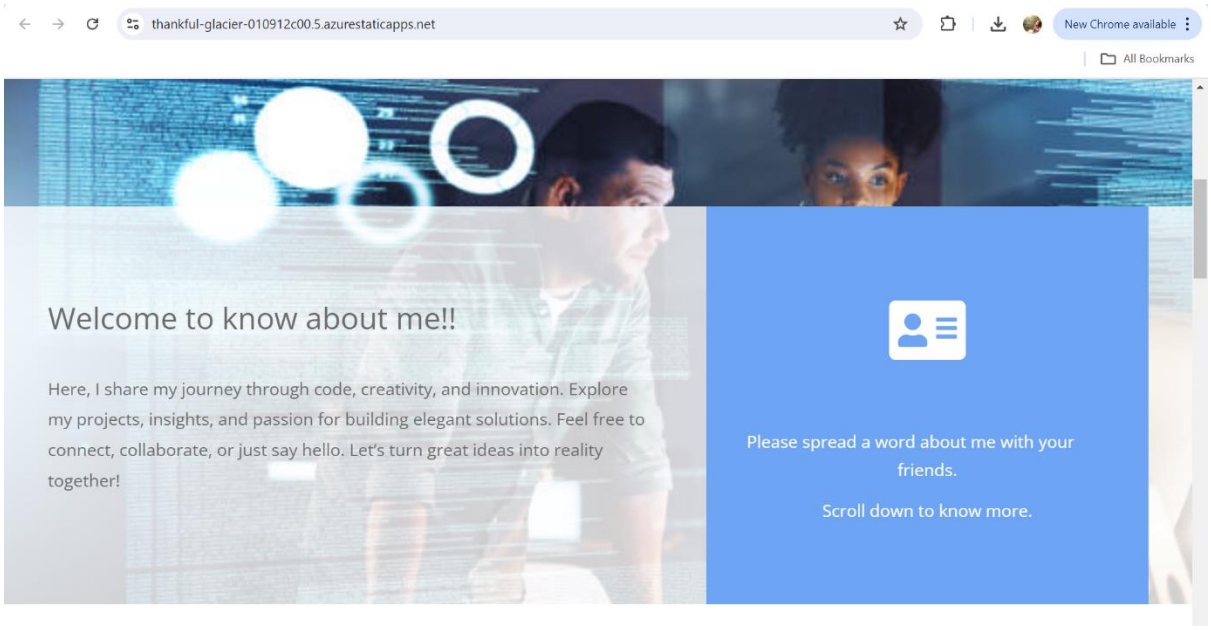
Open a web browser and navigate to https://github.com/AngelinNivyaG/first1.git You should see your static web page displayed.



URL: https://thankful-glacier-010912c00.5.azurestaticapps.net/

OUTPUT:




thankful-glacier-010912c00.5.azurestaticapps.net
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All Bookmarks
Welcome to know about me!!
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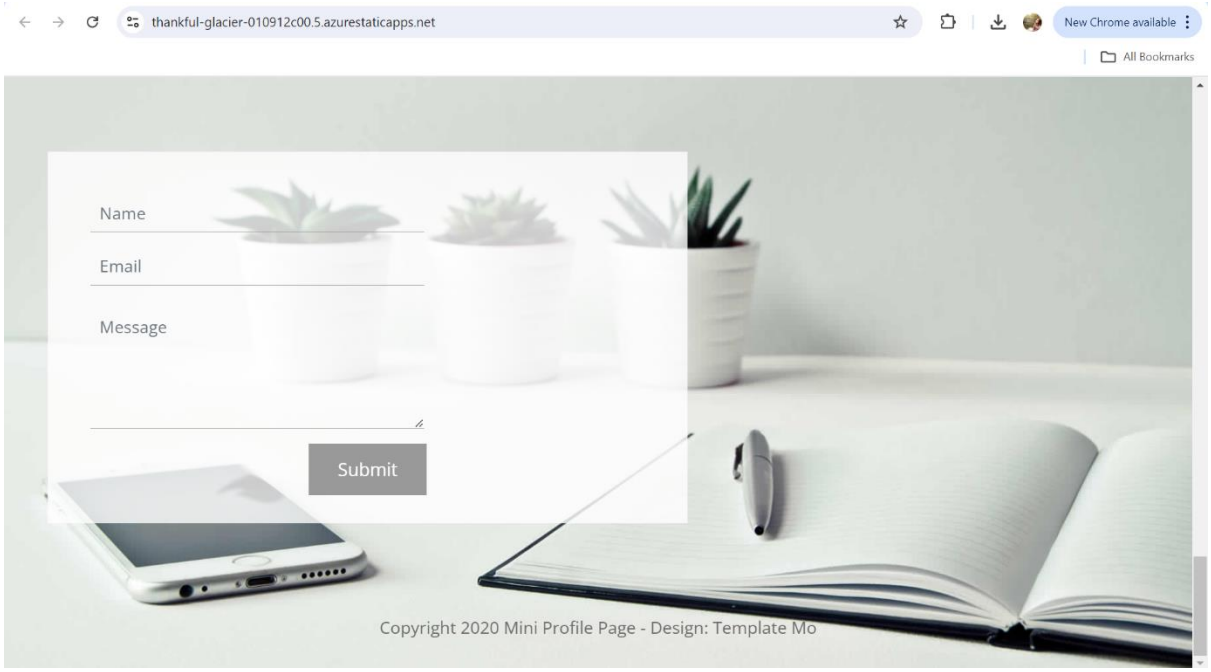
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Email
Message
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STORAGE ACCOUNT LOCK :

A storage account lock for containers has been created to enhance data security and prevent accidental deletion or modifications. This lock ensures that all containers within the storage account are protected, providing an additional layer of control. With this feature, only authorized users can make changes, reducing the risk of data loss. It's a crucial step in maintaining the integrity and reliability of the storage account in Microsoft Azure.