



**Dr. N.G.P INSTITUTE OF TECHNOLOGY, COIMBATORE - 641048**  
**AN AUTONOMOUS INSTITUTION**



**Reg No** : 710722104017  
**Name** : DEEPTHI D S  
**Class** : III Year CSE A  
**Course Name** : Microsoft azure Fundamentals  
**Company** : Pinesphere Solution,Coimbatore  
**Start Date** : 06-08-2024  
**End Date** : 10-08-2024  
**Git Url** : <https://github.com/DEEPTHIDS493/resume-portfolio.git>

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# 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.

Home >

## Education | Overview

Get started Overview

Overview

- > Learning resources
- > Need help?

### Student offer details

Available credits

**US\$95 out of US\$100**

Days until credit expires

**363**

Expires on 07/08/2025

### Overview

- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
  - > Connect
  - > Networking
  - > Settings
  - > Availability + scale

### Essentials

Resource group ([move](#)) [depthi](#)

Status  
Running

Location  
East US 2 (Zone 1)

Subscription ([move](#)) [Azure for Students](#)

Subscription ID  
50e35468-ea36-48bd-8995-0185f4584a19

Availability zone  
1

Operating system  
Linux (ubuntu 24.04)

Size  
Standard E2s v3 (2 vcpus, 16 GiB memory)

Public IP address  
[20.62.43.159](#)

Virtual network/subnet  
[VM-vnet/default](#)

DNS name  
[Not configured](#)

Health state  
-

# HOST A WEBSITE FROM GITHUB ON A VIRTUAL MACHINE (VM) IN MICROSOFT AZURE

## COMMANDS

Requesting a Cloud Shell.Succeeded.

Connecting terminal...

Welcome to Azure Cloud Shell

Type "az" to use Azure CLI

Type "help" to learn about Cloud Shell

Your Cloud Shell session will be ephemeral so no files or system changes will persist beyond your current session.

deepthi [ ~ ]\$ ssh deepthi@20.62.43.159

The authenticity of host '20.62.43.159 (20.62.43.159)' can't be established.

ED25519 key fingerprint is

SHA256:VaW2mliUF15cX1uQhhvL5GtoTYK76DirfgDefuHUrDI.

This key is not known by any other names

Are you sure you want to continue connecting (yes/no/[fingerprint])? yes

Warning: Permanently added '20.62.43.159' (ED25519) to the list of known hosts.

deepthi@20.62.43.159's password:

Welcome to Ubuntu 24.04 LTS (GNU/Linux 6.8.0-1010-azure x86\_64)

\* Documentation: <https://help.ubuntu.com>

\* Management: <https://landscape.canonical.com>

\* Support: <https://ubuntu.com/pro>

System information as of Fri Aug 9 15:30:55 UTC 2024

System load: 0.08                      Processes:              135

Usage of /: 5.8% of 28.02GB Users logged in: 0

Memory usage: 1% IPv4 address for eth0: 10.0.0.4

Swap usage: 0%

\* Strictly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s just raised the bar for easy, resilient and secure K8s cluster deployment.

<https://ubuntu.com/engage/secure-kubernetes-at-the-edge>

Expanded Security Maintenance for Applications is not enabled.

13 updates can be applied immediately.

To see these additional updates run: `apt list --upgradable`

Enable ESM Apps to receive additional future security updates.

See <https://ubuntu.com/esm> or run: `sudo pro status`

Last login: Fri Aug 9 03:55:27 2024 from 20.235.219.140

deepthi@VM:~\$ sudo apt update

Hit:1 <http://azure.archive.ubuntu.com/ubuntu> noble InRelease

Get:2 <http://azure.archive.ubuntu.com/ubuntu> noble-updates InRelease [126 kB]

Hit:3 <http://azure.archive.ubuntu.com/ubuntu> noble-backports InRelease

Hit:4 <http://azure.archive.ubuntu.com/ubuntu> noble-security InRelease

Get:5 <http://azure.archive.ubuntu.com/ubuntu> noble-updates/main amd64 c-n-f Metadata [5716 B]

Get:6 <http://azure.archive.ubuntu.com/ubuntu> noble-updates/universe amd64 c-n-f Metadata [12.7 kB]

Fetched 145 kB in 0s (319 kB/s)

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

9 packages can be upgraded. Run 'apt list --upgradable' to see them.

deepthi@VM:~\$ sudo apt instal git

E: Invalid operation instal

deepthi@VM:~\$ sudo apt install git

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

git is already the newest version (1:2.43.0-1ubuntu7.1).

0 upgraded, 0 newly installed, 0 to remove and 9 not upgraded.

deepthi@VM:~\$ sudo apt install nginx

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.

deepthi@VM:~\$ sudo systemctl start nginx

deepthi@VM:~\$ 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

deepthi@VM:~\$ cd /var/www/html

deepthi@VM:/var/www/html\$ sudo rm -rf \*

deepthi@VM:/var/www/html\$ sudo git clone  
https://github.com/DEEPTHIDS493/resume.git .

fatal: destination path '.' already exists and is not an empty directory.

deepthi@VM:/var/www/html\$ sudo git clone <https://github.com/DEEPTHIDS493/resume-portfolio.git>

Cloning into 'resume'...

remote: Enumerating objects: 90, done.

```
deepthi@VM:/var/www/html$
```





**OUTPUT :**



## 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.

Name	Type	Last Viewed
 VM	Virtual machine	an hour ago
 deepthi	Resource group	an hour ago
 deepthids	Static Web App	an hour ago
 deepthi493	Storage account	2 hours ago
<a href="#">See all</a>		

## 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.





## 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.

Resource group ( <a href="#">move</a> )	URL
<a href="#">deepthi</a>	<a href="https://purple-bay-08b55170f.5.azurestaticapps.net">https://purple-bay-08b55170f.5.azurestaticapps.net</a>
Subscription ( <a href="#">move</a> )	Source
<a href="#">Azure for Students</a>	<a href="#">main (GitHub)</a>
Subscription ID	Deployment history
50e35468-ea36-48bd-8995-0185f4584a19	<a href="#">GitHub Action runs</a>
Location	View workflow
Global	<a href="#">azure-static-web-apps-purple-bay-08b55170f.yml</a>
Sku	
Free	

### Access Your GitHub Pages Site :

#### Visit Your Site:

Open a web browser and navigate to <https://github.com/DEEPTHIDS493/resume.git> You should see your static web page displayed.

[Get started](#)
[Monitoring](#)

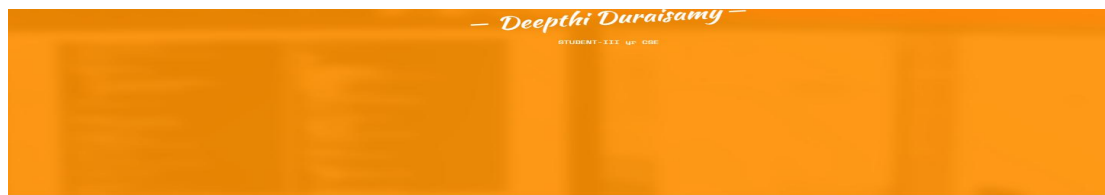


### View your application

Status	Environment	Domain	Hosting plan
✓ Ready	Production	<a href="https://purple-bay-08b55170f.5.azurestaticapps.net">https://purple-bay-08b55170f.5.azurestaticapps.net</a>	Free

[Visit your site](#)

## OUTPUT :



### About Me

**Full Name:** DEEPTHI DURAISAMY  
**Phone:** +91 9580093487  
**Email:** deepthids483@gmail.com  
**Address:** Avinashi, Tirupur

#### Hello There!

Hello! I'm Deepthi, a third-year student at Dr. N.G.P Institute of Technology. I am passionate about developing my skills and gaining practical experience in my field. With strong communication skills and a commitment to excellence, I promise to bring honesty, dedication, and a strong work ethic to the team. I look forward to contributing and learning in a dynamic environment.

### My Resume

#### QUALIFICATION

##### 10th Grade

Completed in 2020

Secured 98% in 10th grade, showcasing strong academic performance and a commitment to excellence in my studies. This achievement highlights my dedication and ability to succeed in a competitive environment.

##### 12th Grade

Completed in 2022

Completed 12th grade with a focus on Computer Science, achieving 80%. This accomplishment reflects my strong analytical skills and passion for technology.

##### Bachelor Degree

Started in 2020

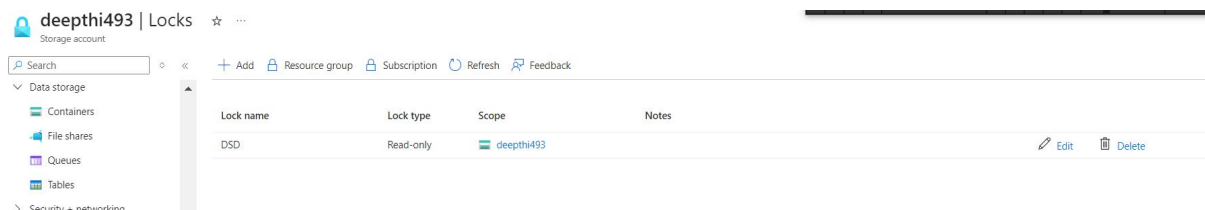
Completed 2nd year of my Bachelor's Degree in Computer Science and Engineering with an impressive 84% and am currently pursuing my 3rd year at Dr. N.G.P Institute of Technology. This academic success underscores my commitment to excellence in my field of study.

## CREATION OF LOCK IN STORAGE ACCOUNT :

To create a lock on a storage account in Azure:

1. **Go to the Azure Portal:** Sign in at [portal.azure.com](https://portal.azure.com).
2. **Find Your Storage Account:** Navigate to Storage accounts and select your account.
3. **Add a Lock:**
  1. Go to Settings > Locks.
  2. Click + Add, choose ReadOnly or Delete, name the lock, and click OK.

This prevents accidental deletion or modification of your storage account.



## After creating a lock :

