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

Reg No : 710722104013
Name : Bharath Kumar R
Class : III Year CSE A
Start Date : 06.08.2024
End Date : 10.08.2024
Git Repository : https://github.com/itisbk05/Profile.git
Course Name : Microsoft azure Fundamentals
Company : Pinesphere Solution,Coimbatore

TABLE OF CONTENT

Website Creation:

This project is a personal profile website developed using **HTML, CSS, SCSS,** and **JavaScript**. It features a responsive design, ensuring optimal viewing on all devices, and includes interactive elements like smooth scrolling and form validation. The SCSS is structured with variables for maintainability, while JavaScript enhances user experience with dynamic content. The website is cross-browser compatible, modular, and ready for deployment on any web hosting platform

Home Page

Welcome to my personal profile! I'm Bharath, a Computer Science and Engineering student at Dr. NGP Institutions. This site is a glimpse into my journey in technology, featuring my skills, projects, and experiences. Explore to learn more about me and my work.

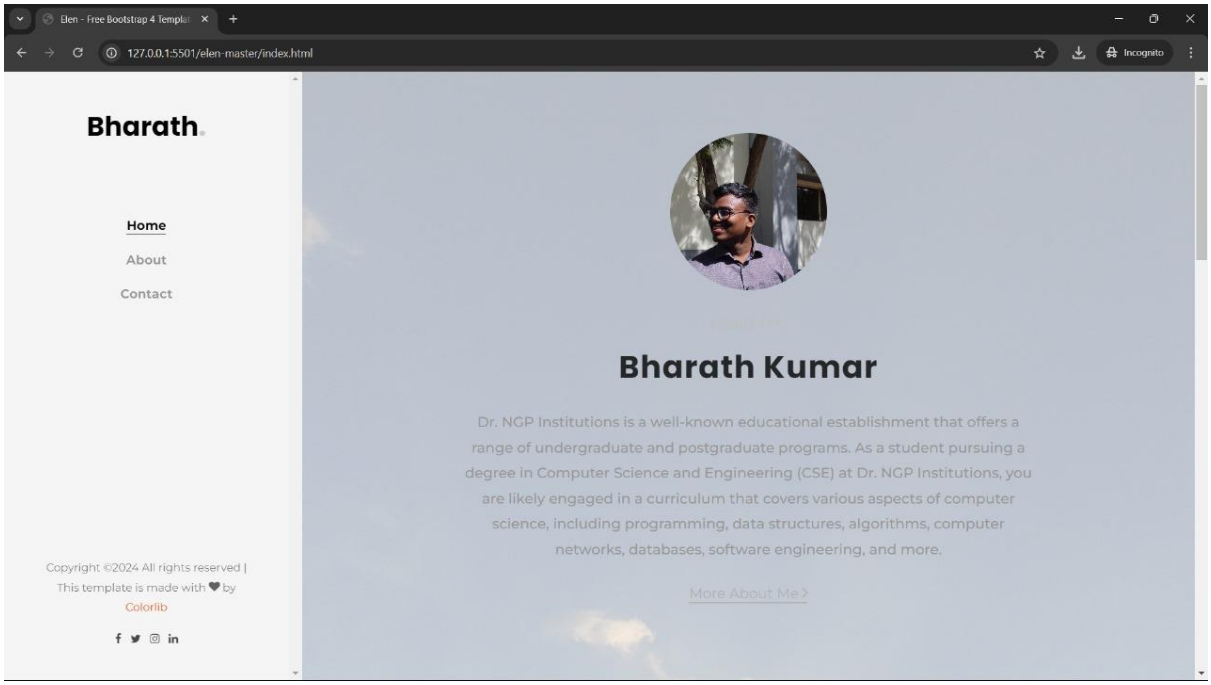
About Me

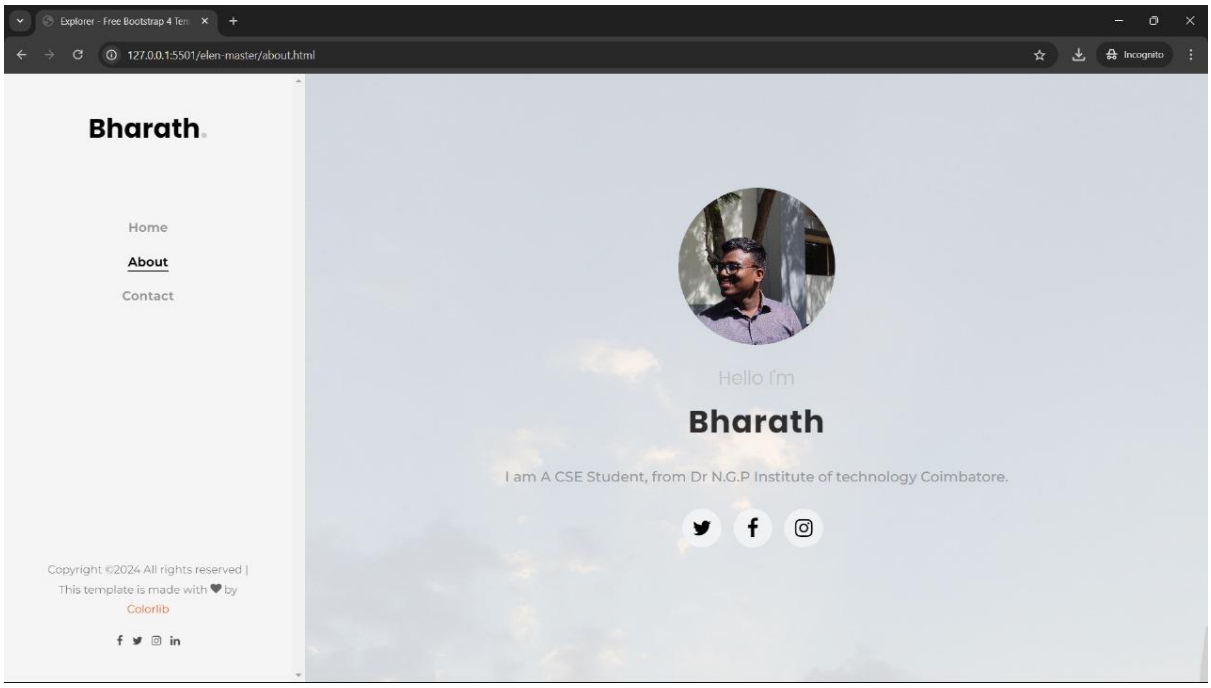
I’m a dedicated student with a strong passion for coding, web development, and problem-solving. Currently honing my skills at Dr. NGP Institutions, I’ve worked on various projects that showcase my abilities in HTML, CSS, JavaScript, and more. I’m always eager to learn and take on new challenges.

Contact

Let’s connect! Whether you have a project in mind or just want to chat, feel free to reach out to me. You can contact me via email at [your email address] or connect with me on LinkedIn [your LinkedIn profile link].

And the Output as Follows

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Incognito
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Home
About
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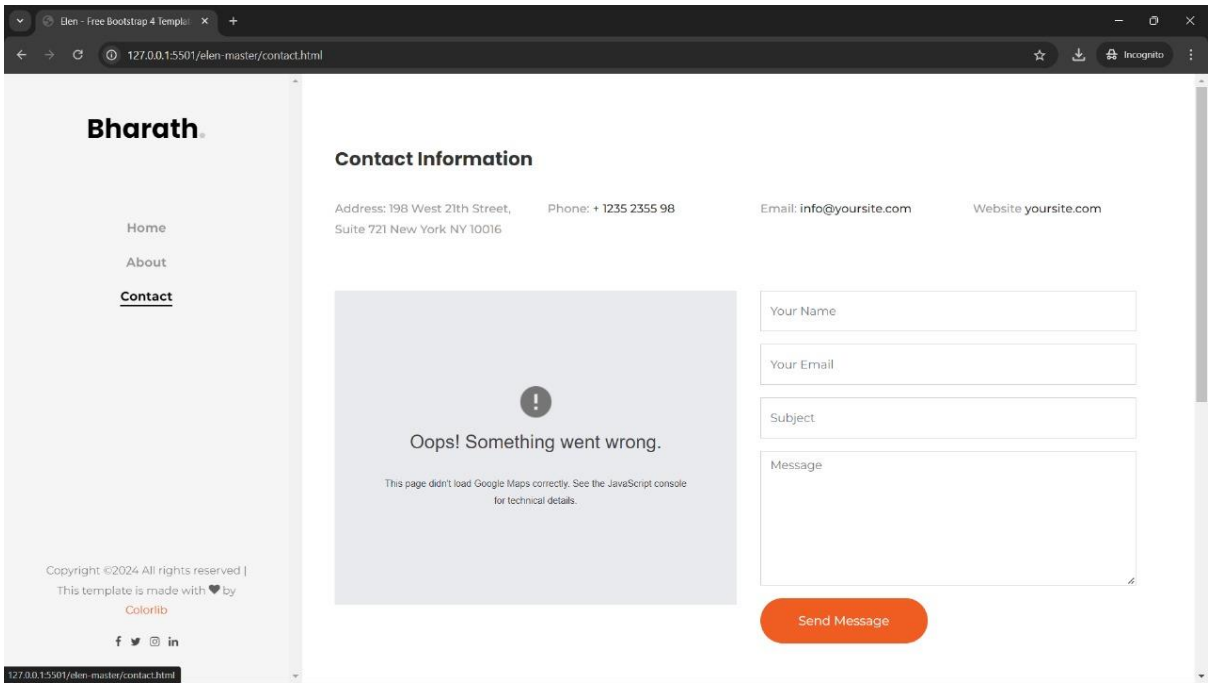
Copyright ©2024 All rights reserved | This template is made with ♥ by Colorlib
Hello I'm
Bharath
I am A CSE Student, from Dr N.G.P Institute of technology Coimbatore.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About
Contact
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127.0.0.1:5501/elen-master/contact.html
Contact Information
Address: 198 West 21th Street, Suite 721 New York NY 10016
Phone: + 1235 2355 98
Email: info@yoursite.com
Website yoursite.com
Oops! Something went wrong.
This page didn't load Google Maps correctly. See the JavaScript console for technical details.
Your Name
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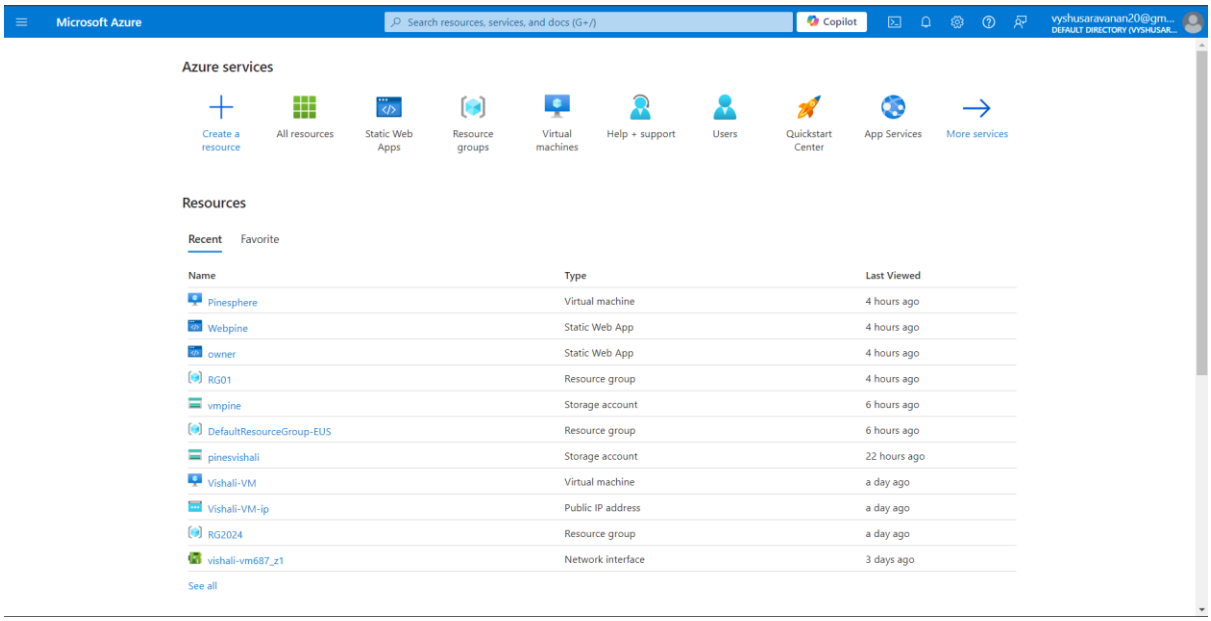
Subject
Message
Send Message

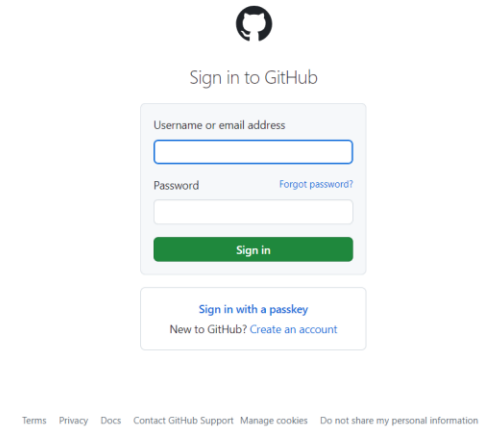
Microsoft account creation:

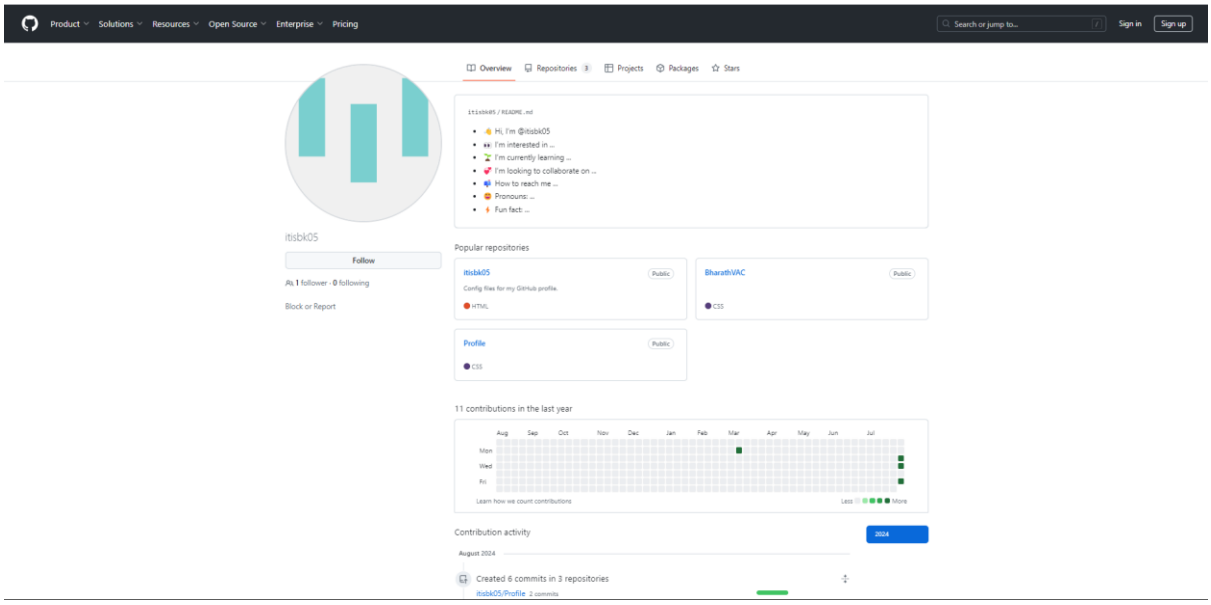
A Microsoft account is your gateway to accessing a variety of Microsoft services, including Outlook, OneDrive, Office Online, and more. By creating a Microsoft account, you gain a single sign-in that connects you to these services seamlessly, whether you're managing emails, storing files in the cloud, 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.



GIT hub creation:

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/itisbk05/Profile.git



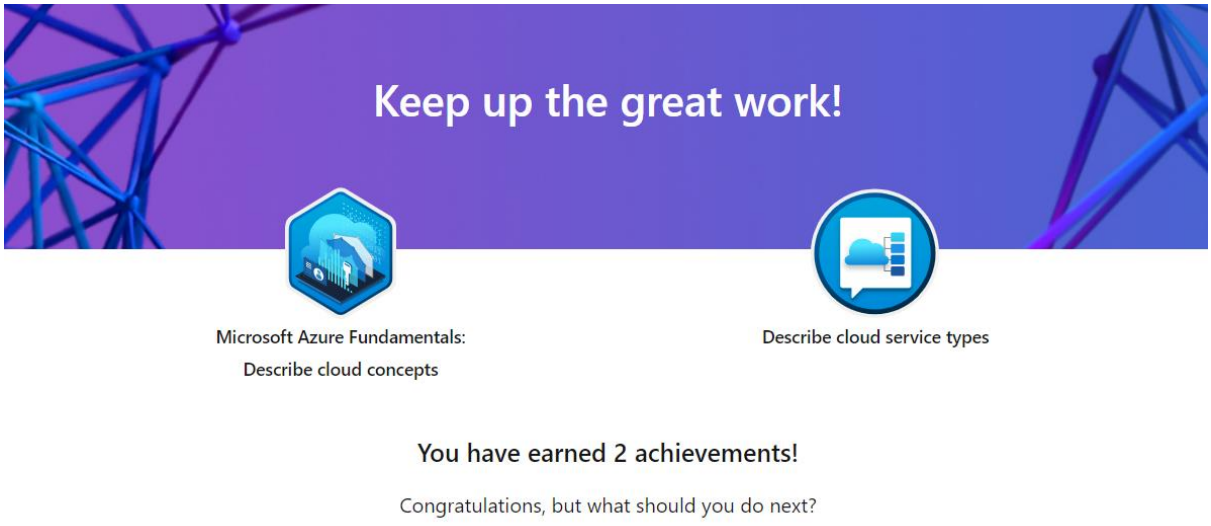


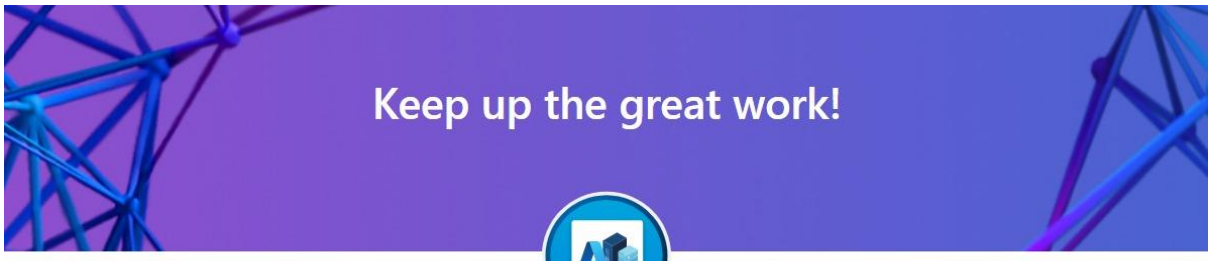
Microsoft module completion:

Having completed the Microsoft Azure Fundamentals modules, you now understand core cloud concepts and service types, including IaaS, PaaS, and SaaS. You've explored cloud computing's benefits, such as flexibility and scalability. In Azure, you learned about compute services like virtual machines and serverless functions, and networking services such as Virtual Networks and Load Balancer. This knowledge provides a strong foundation for leveraging Azure's capabilities in cloud-based solutions.

Modules are :

- Microsoft Azure Fundamentals: Describe cloud concepts
- Describe cloud service types
- Describe cloud computing
- Describe Azure compute and networking services





Describe Azure storage services

You have earned an achievement!

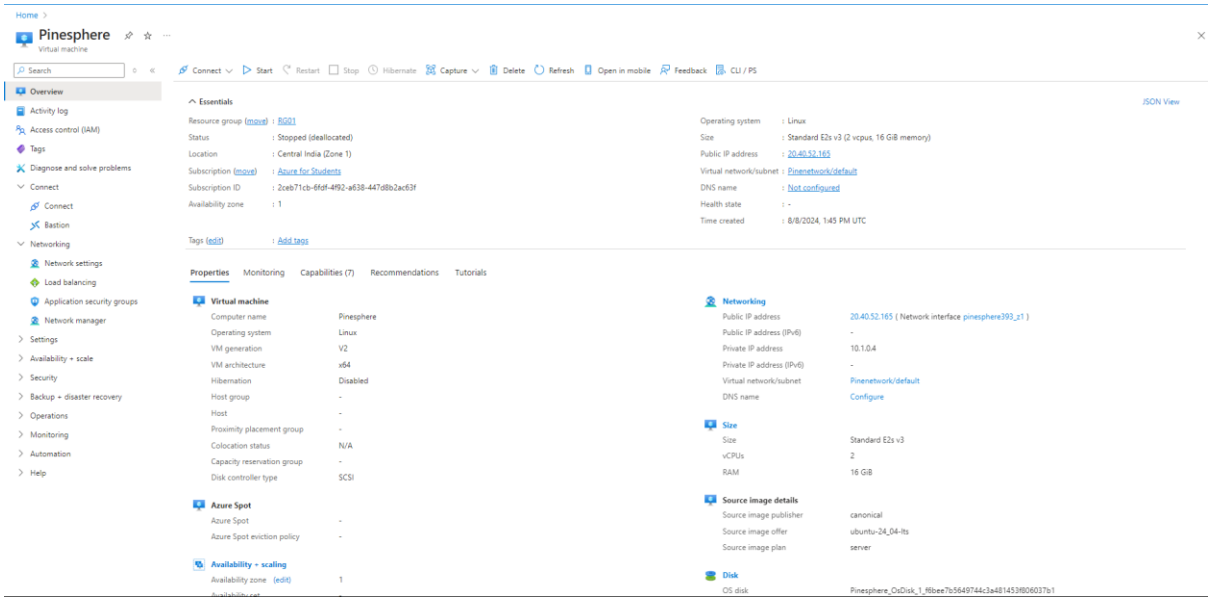
Congratulations, but what should you do next?

First, let's share your achievement

You put in the time to learn something new, let your network share in your victory!

Creation of Virtual Machine:

I have successfully created a virtual machine in Microsoft Azure, named "Pinesphere." This VM can be utilized for various purposes, such as hosting applications, running development environments, or testing configurations. By naming it "Pinesphere," you've established a unique identifier for easy management and organization within your Azure environment. This virtual machine can be configured with specific resources like CPU, memory, and storage to meet your needs and can be managed through the Azure portal for tasks such as scaling, monitoring, and maintenance.



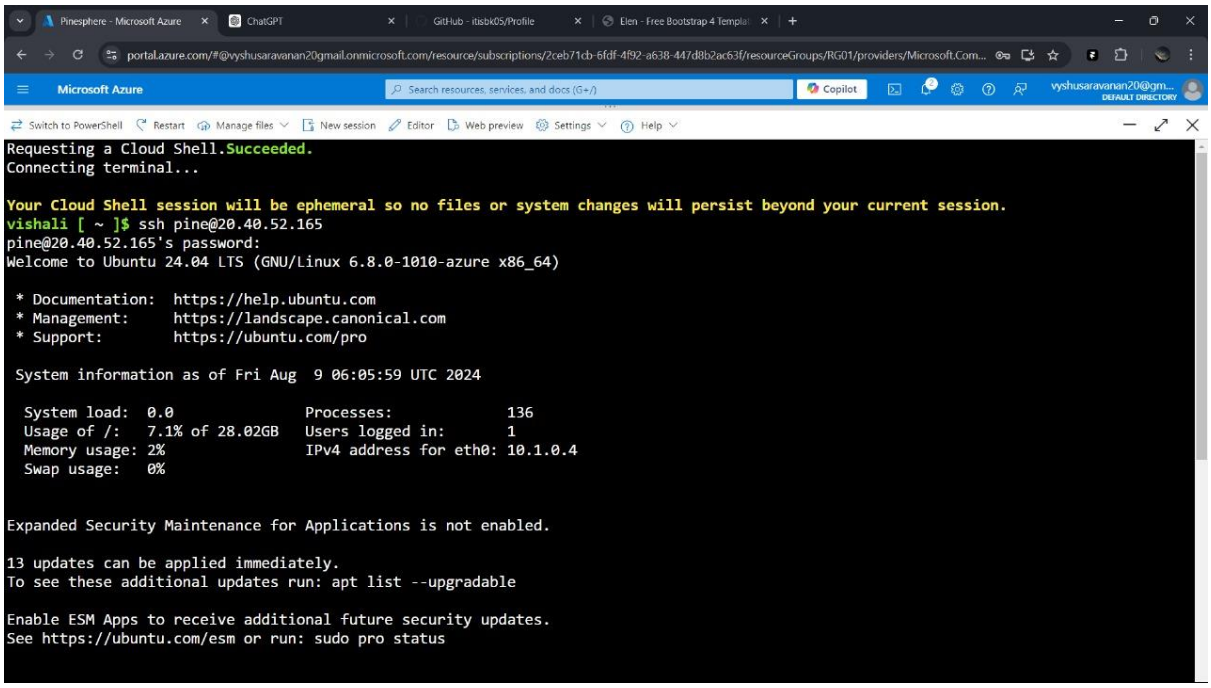
After creating the VM in Azure, connect to it using RDP for Windows or SSH for Linux. Open the command line interface—Command Prompt or PowerShell for Windows, and Terminal for Linux. Start executing commands to manage and configure your VM as needed. This allows you to install software, run scripts, and perform maintenance tasks.

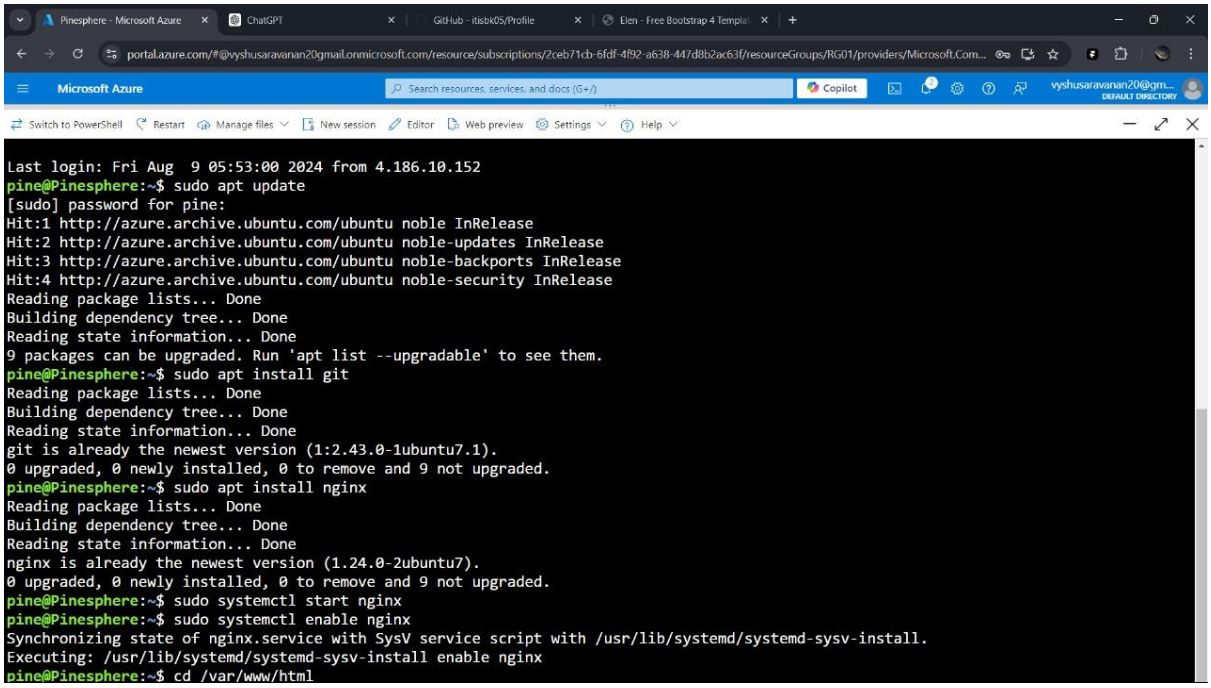
Connection Bash :

Open a terminal in the virtual machine in that terminal choose bash. To connect to your VM using Bash, start by obtaining the VM's public IP address or DNS name from the Azure portal.

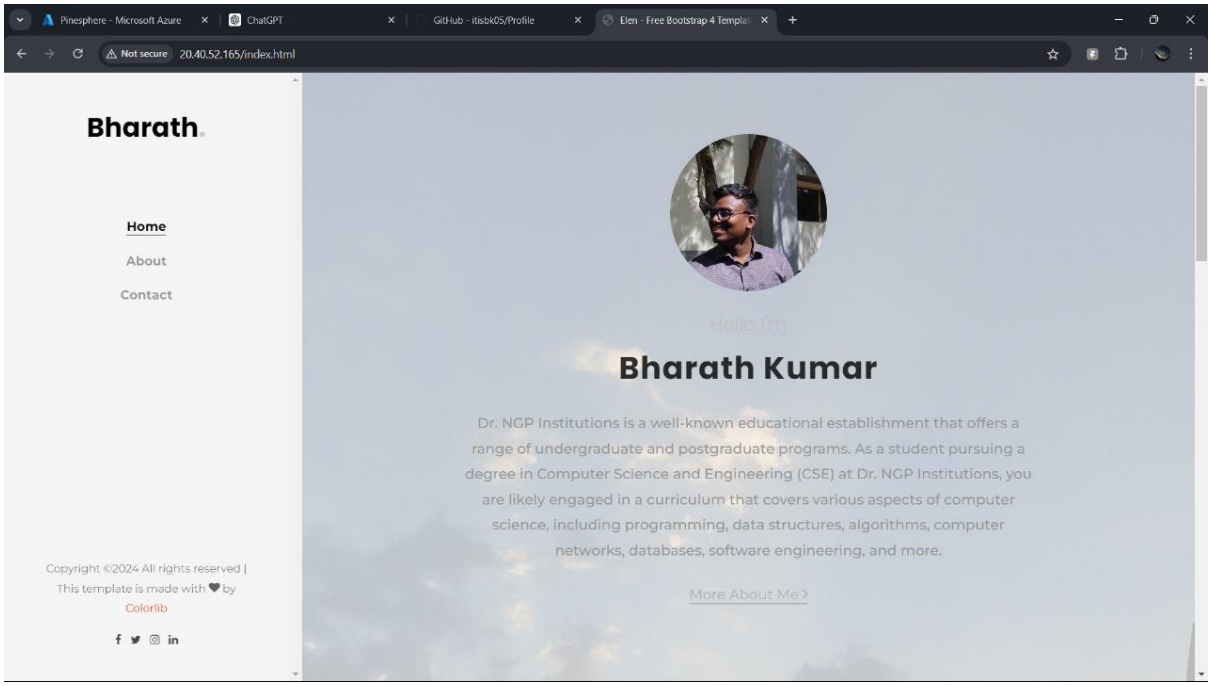
Open a terminal on your local machine and use the SSH command:
bash
ssh [username]@[public-ip-address]

Replace `[username]` with your VM's username and `[public-ip-address]` with the VM's IP address or DNS name. Authenticate using your password or private key. Once connected, you can execute commands to manage and configure your VM directly from the terminal.





After setting up your Azure VM and creating a blob, you connected your Git repository to the VM. By cloning your repository to the VM, you were able to deploy your profile directly from your Git URL. You configured a web server on the VM to host and serve your profile, ensuring it's publicly accessible. This setup allows you to maintain and update your profile efficiently, with changes pushed to your Git repository reflected on the live site hosted on your Azure VM.


Pinesphere - Microsoft Azure
ChatGPT
GitHub - itisbk05/Profile
Elen - Free Bootstrap 4 Templat
Not secure
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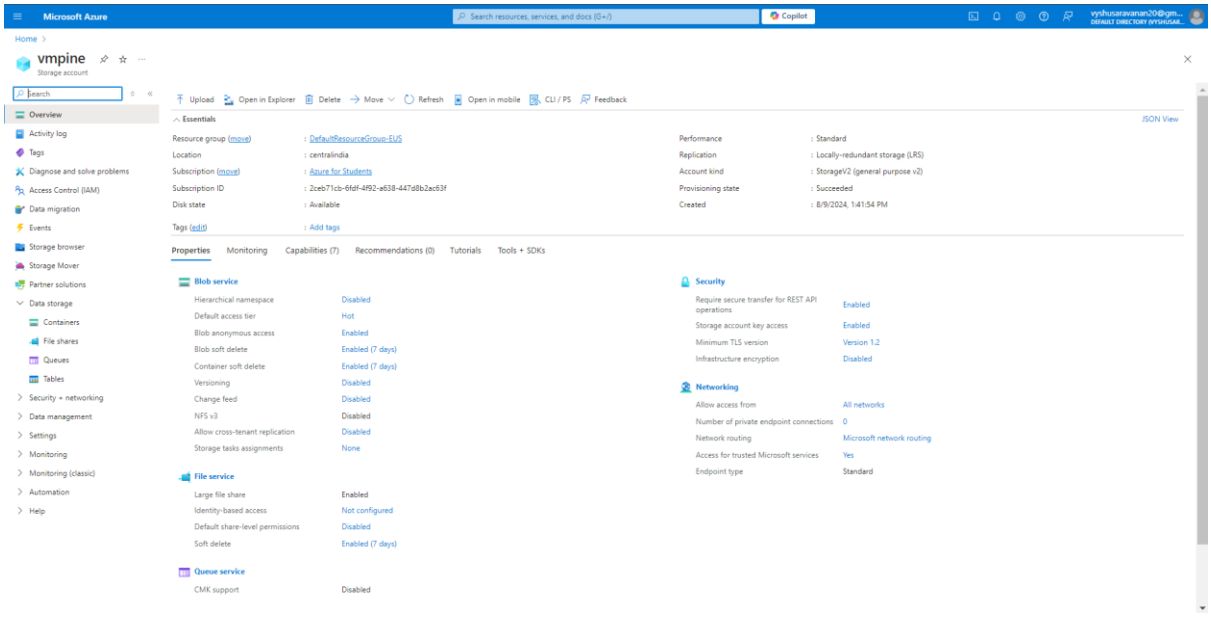
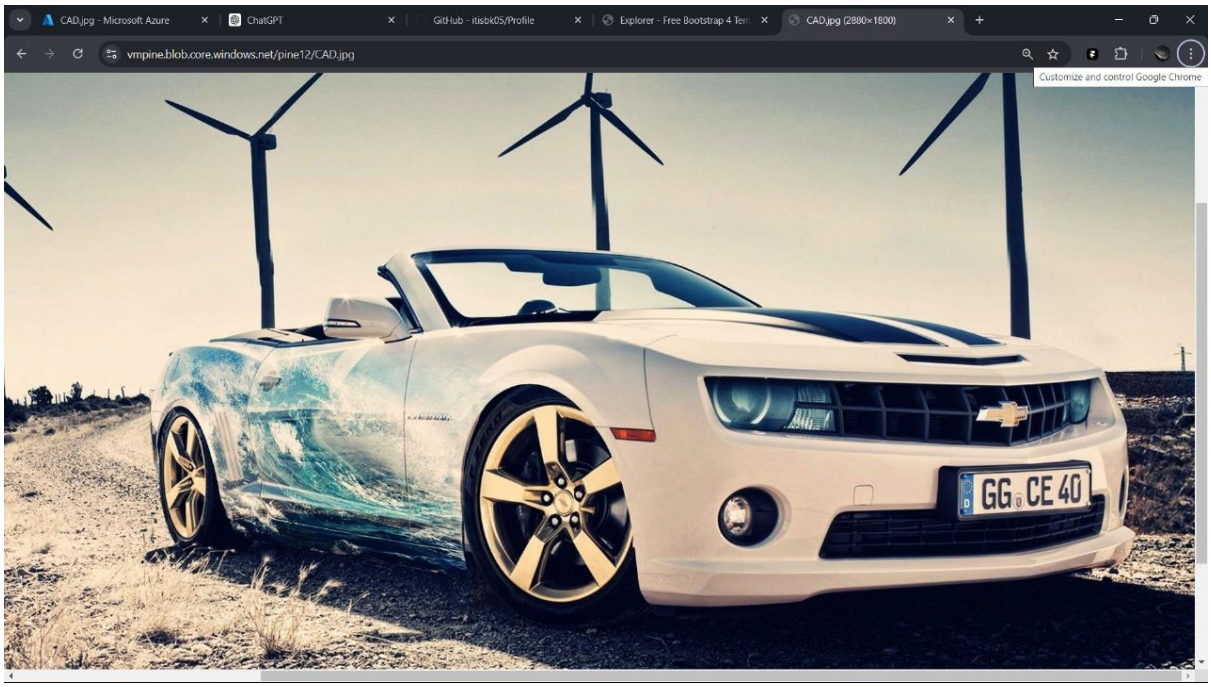
Hello I'm
Bharath Kumar
Dr. NGP Institutions is a well-known educational establishment that offers a range of undergraduate and postgraduate programs. As a student pursuing a degree in Computer Science and Engineering (CSE) at Dr. NGP Institutions, you are likely engaged in a curriculum that covers various aspects of computer science, including programming, data structures, algorithms, computer networks, databases, software engineering, and more.
More About Me ›

Blob Creation:

After setting up your Azure VM and creating a blob, you connected your Git repository to the VM. By cloning your repository to the VM, you were able to deploy your profile directly from your Git URL. You configured a web server on the VM to host and serve your profile, ensuring it's publicly accessible. This setup allows you to maintain and update your profile efficiently, with changes pushed to your Git repository reflected on the live site hosted on your Azure VM.

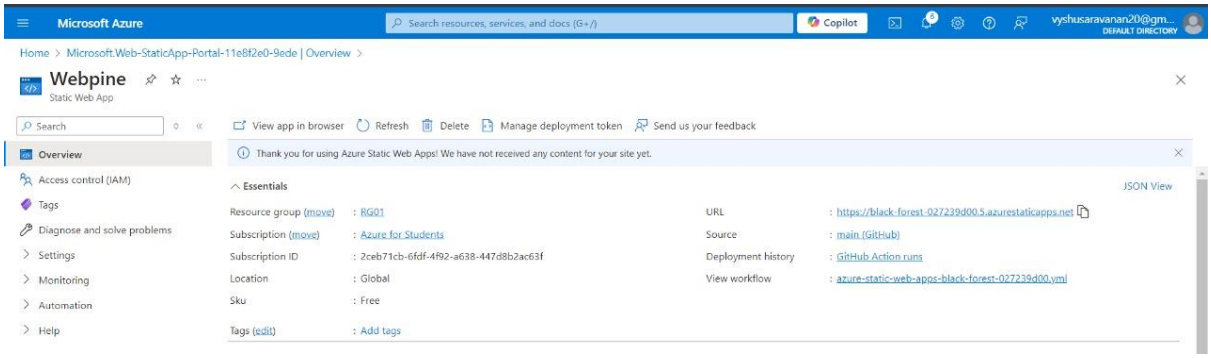
I have created a Container in my virtual Machine and the name pine12 and I uploaded a sample image as a input and I have my output in the local url.

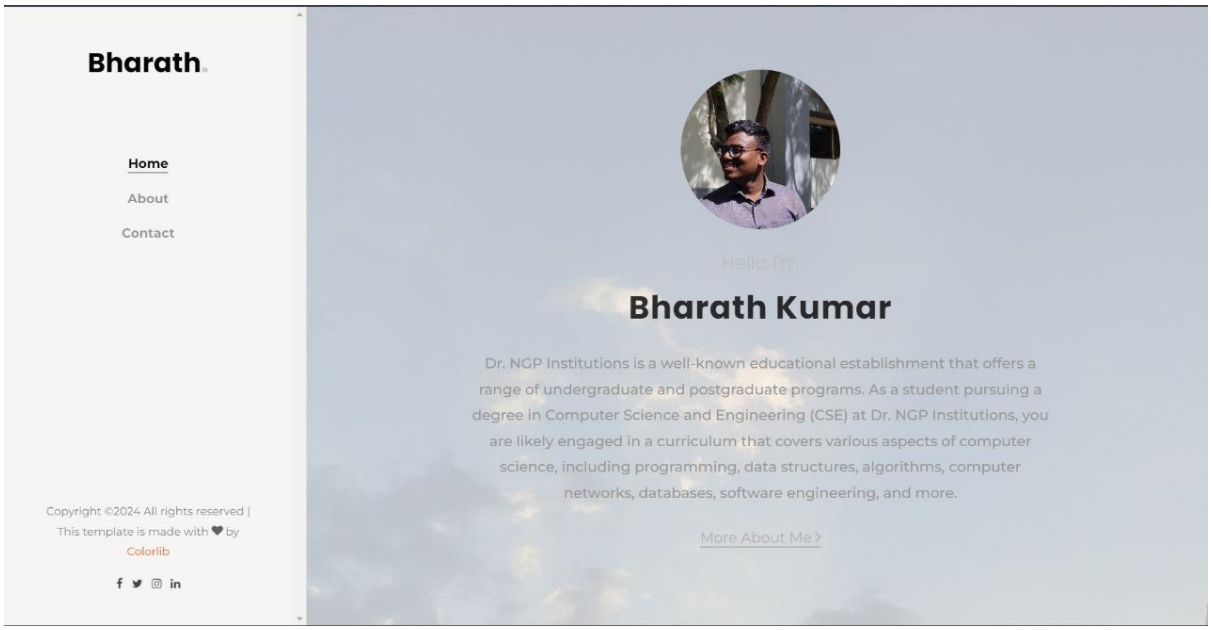




Static WEB app:

I’ve set up a static web app on my Azure VM, hosting a profile page directly from the virtual machine. The static site is served using a web server like Nginx or Apache, which efficiently handles HTTP requests and delivers content. This setup ensures that my profile page is accessible through the VM's public IP or domain. It provides a cost-effective and scalable solution for showcasing static content without relying on external hosting services.





My web Profile without any virtual machine and my url is https://black-forest-027239d00.5.azurestaticapps.net/

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.