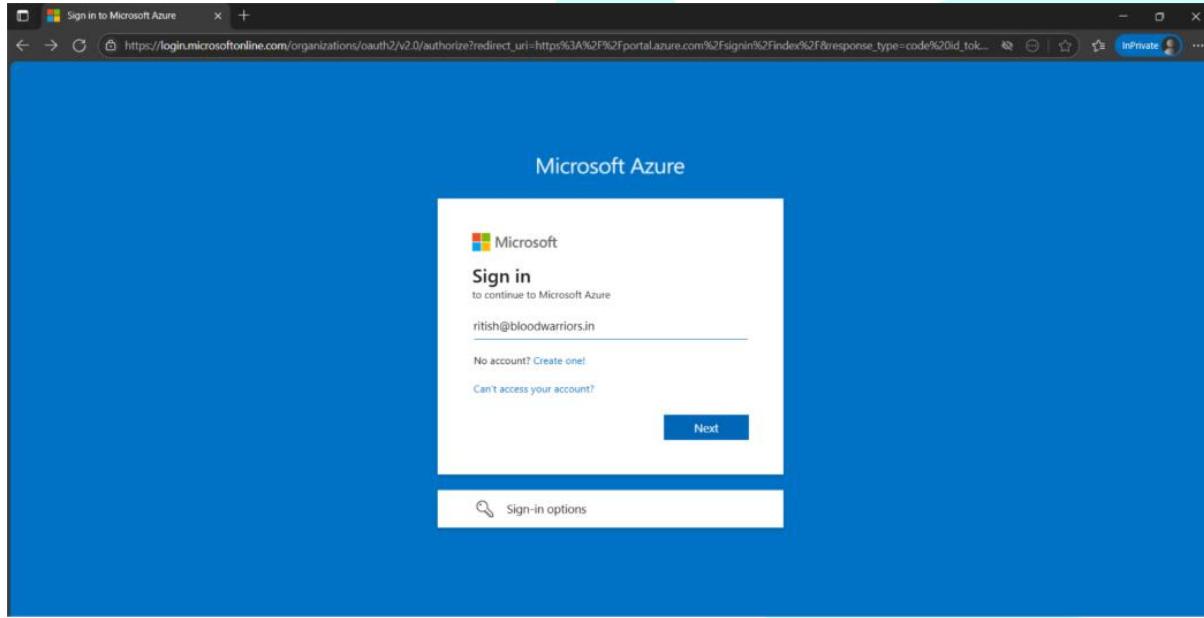
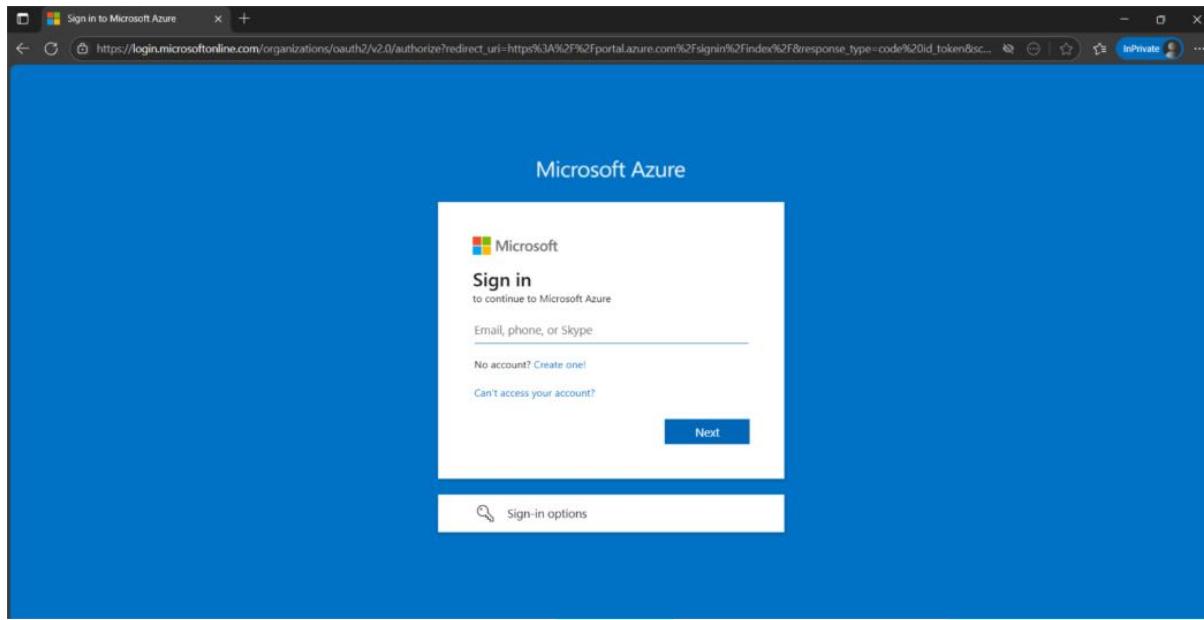




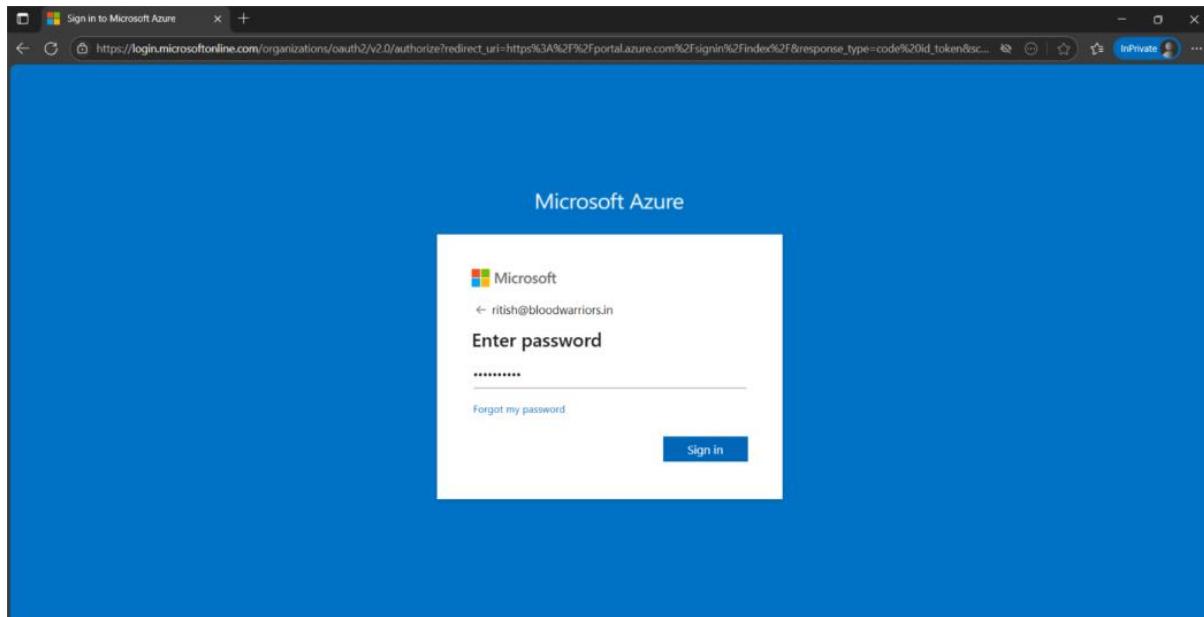
Azure Account Setup

Step 1: Type or Use: portal.azure.com

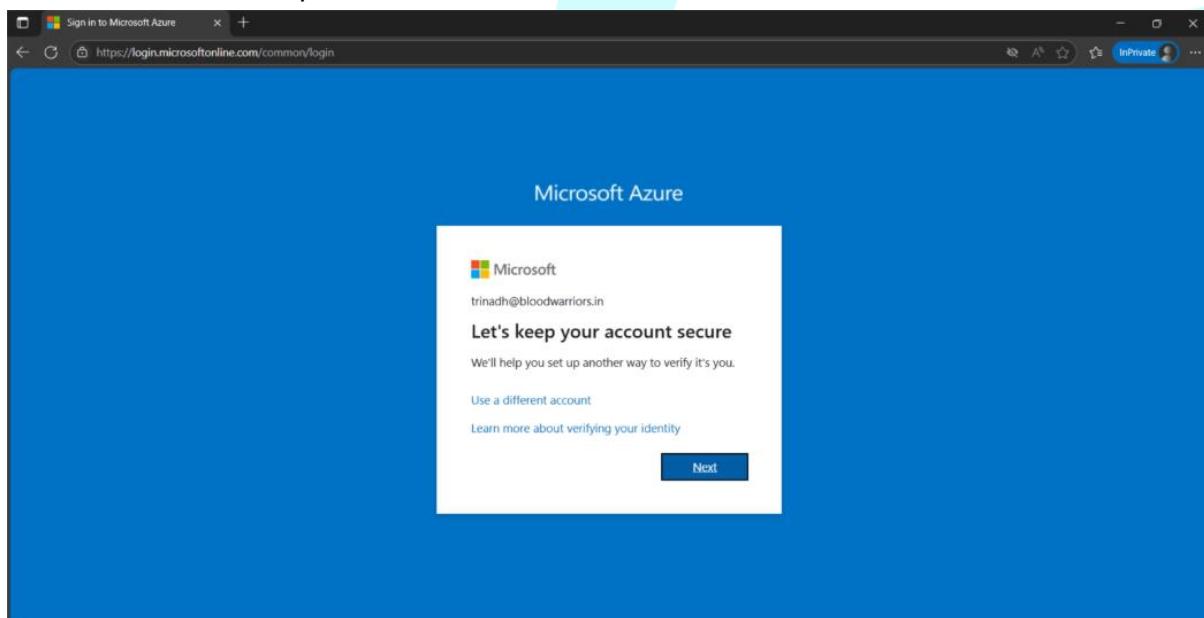
1.a) Enter Your Mail ID and Click Next.



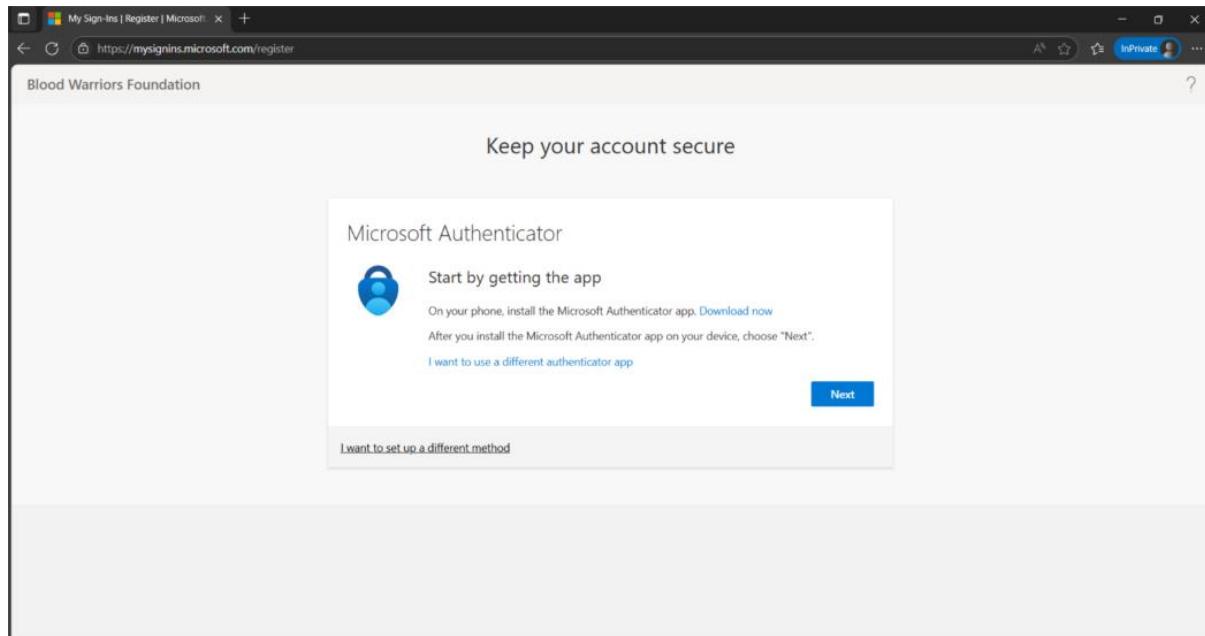
1.b) Enter Password and Click Next.



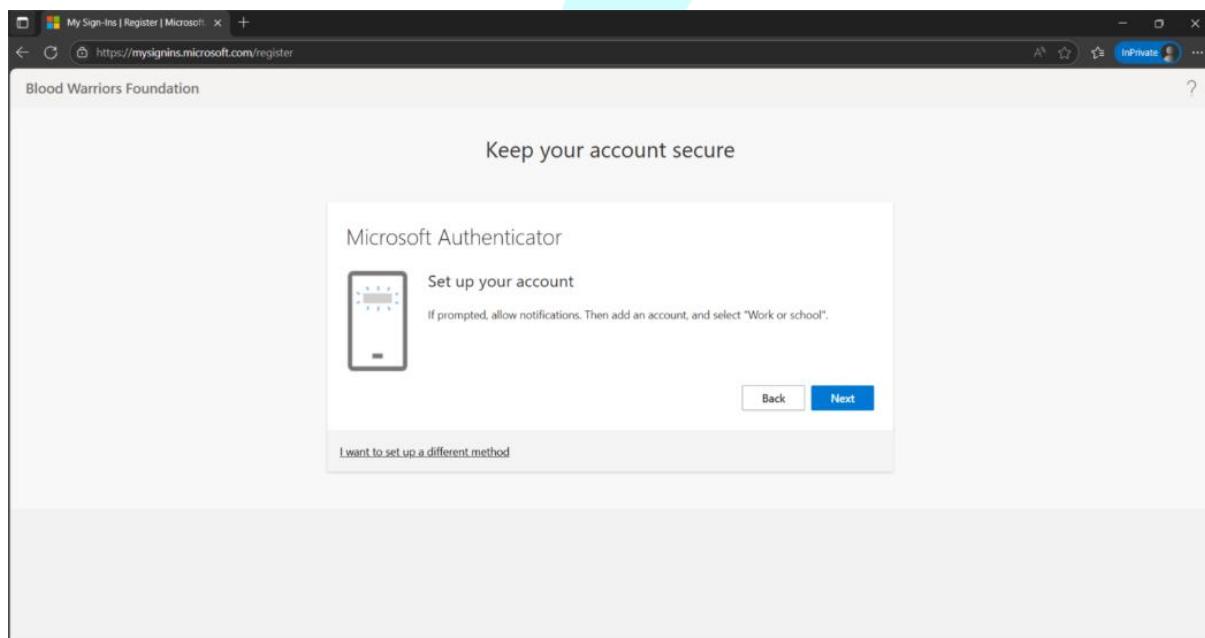
2. Authenticator Setup:



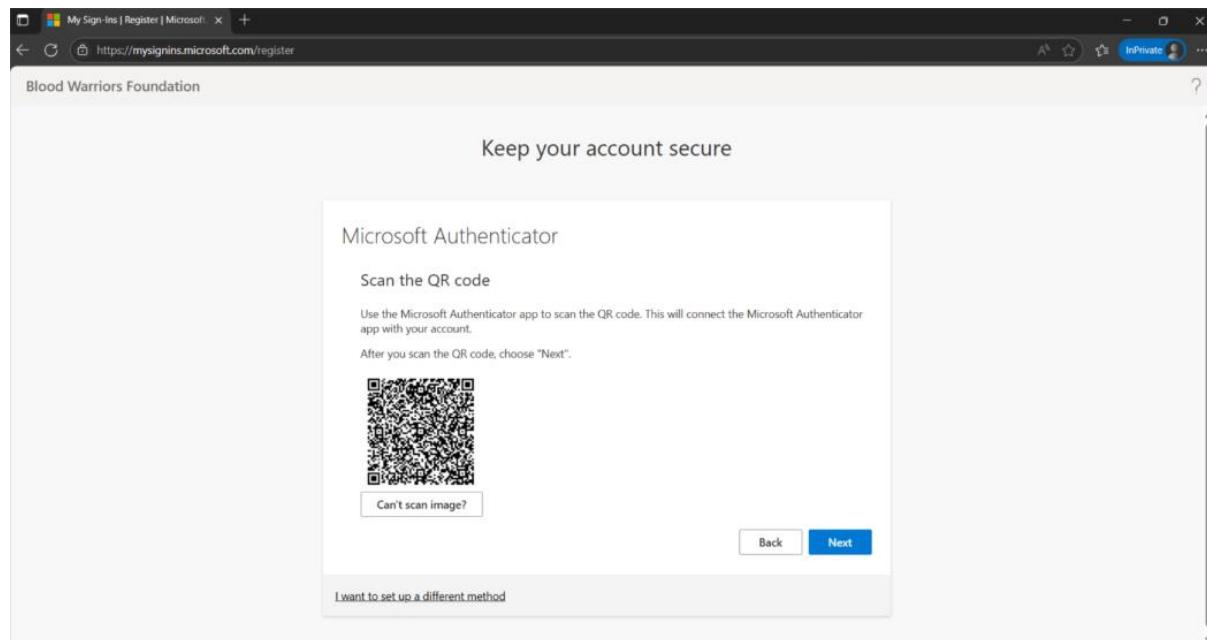
Click on next



Click on next

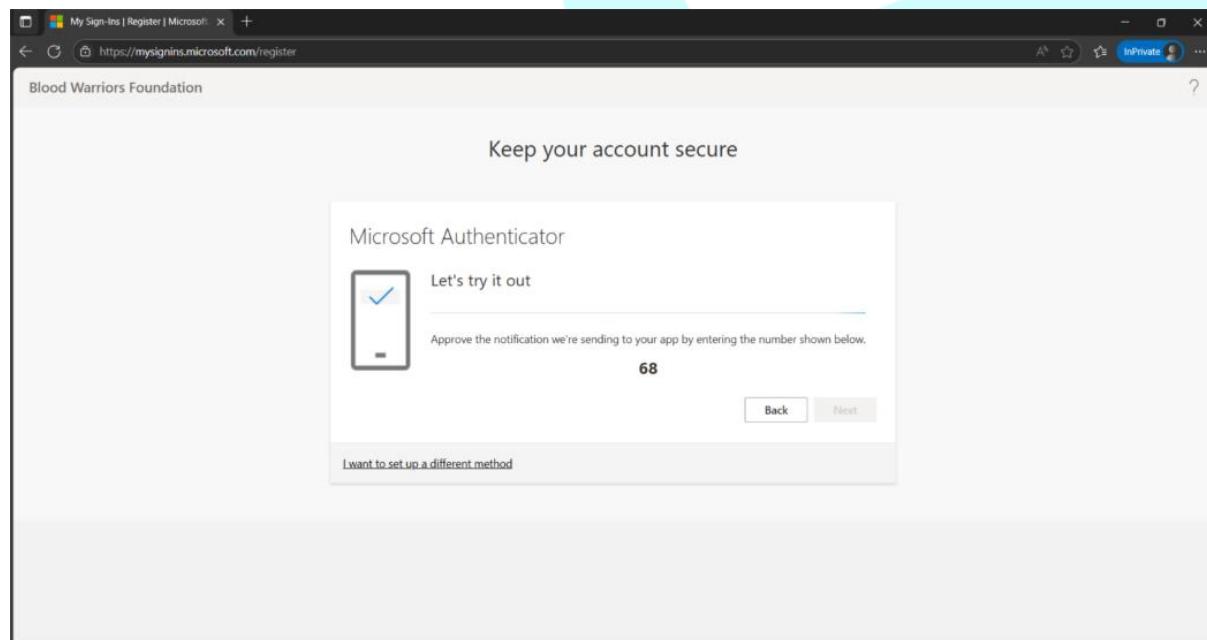


Click on next

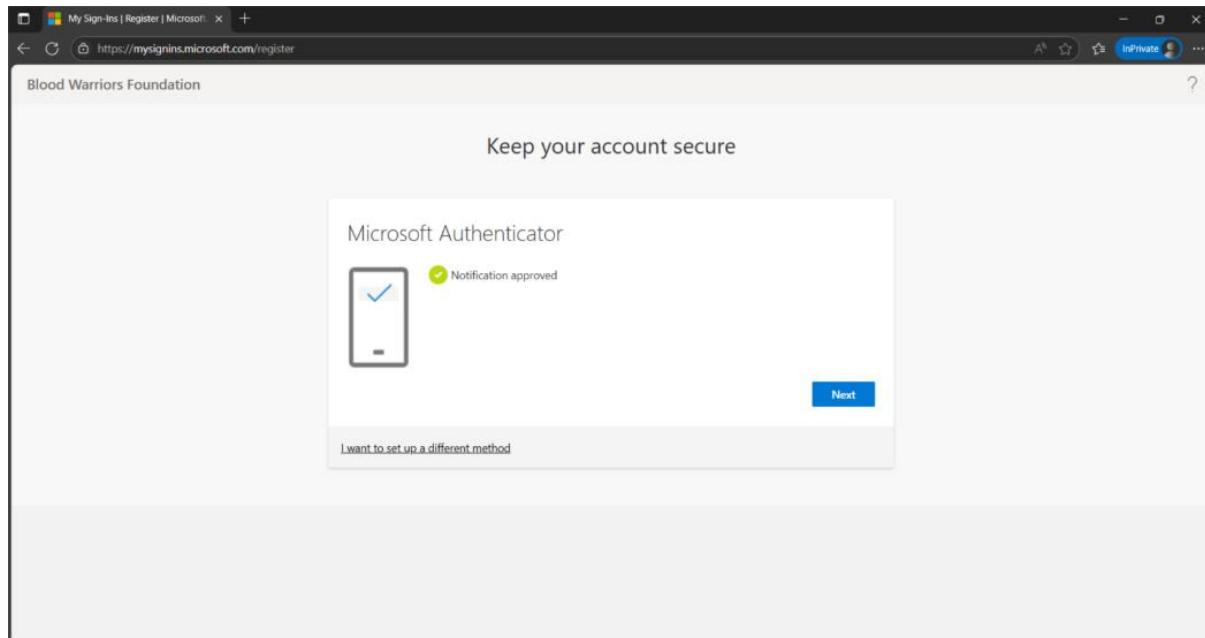


Now Your Need to Install Microsoft Authenticator App on your Mobile Phone and Scan this QR Code.

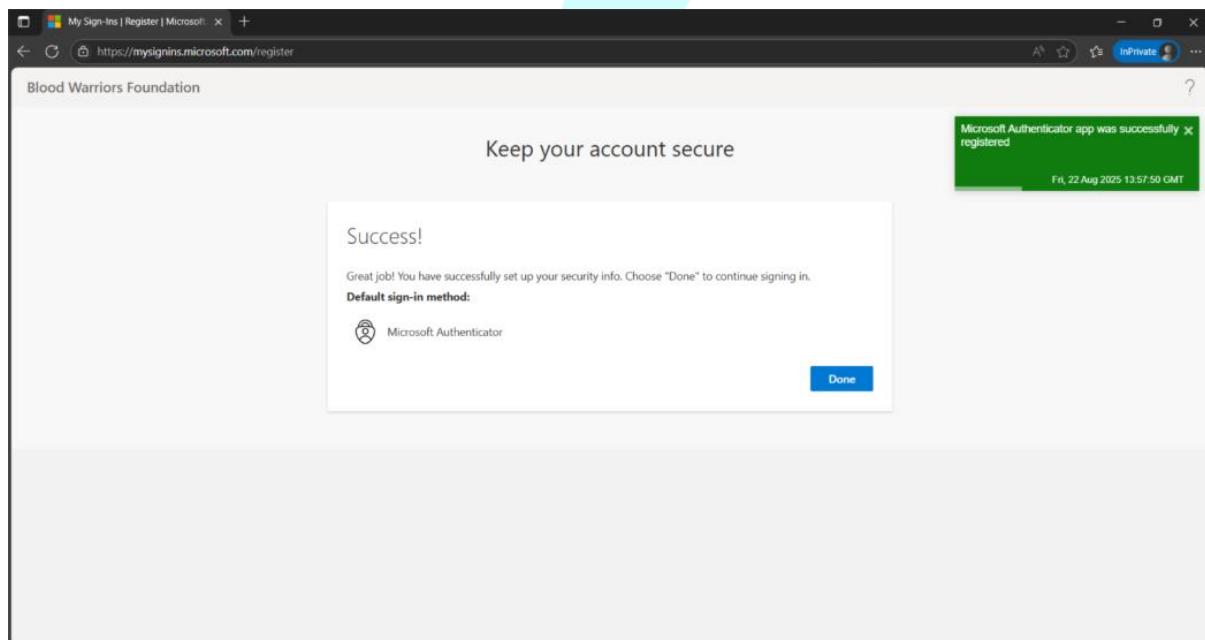
Once you Scan Click on Next



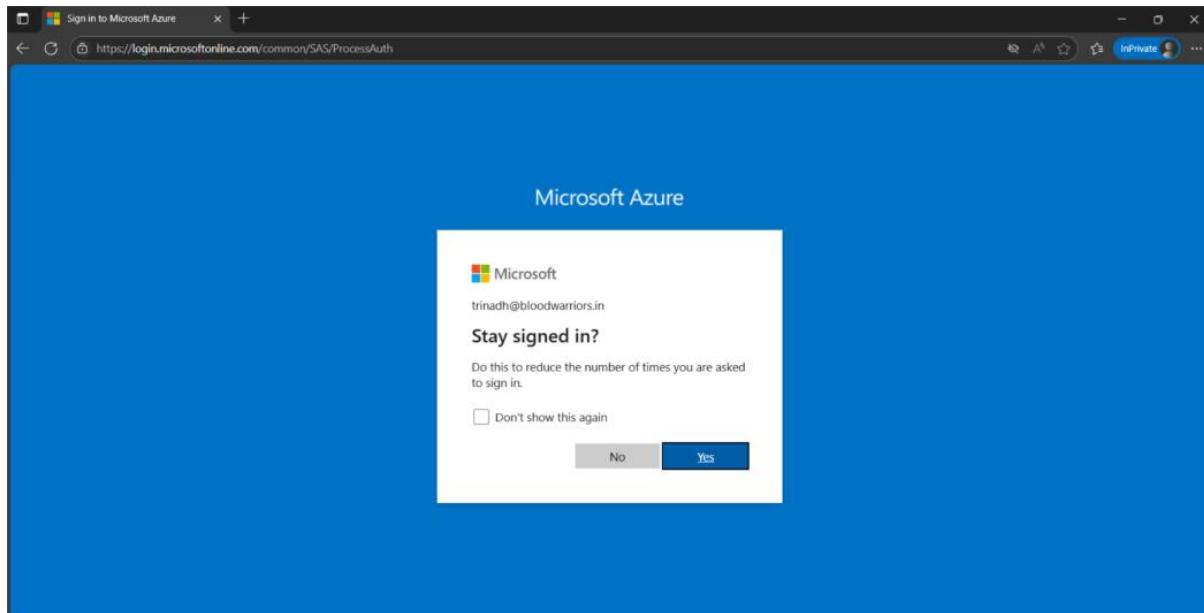
Type code on your Authenticator App which will pop up to enter code. Once you enter and yes on your mobile and wait till reflect on your browser.



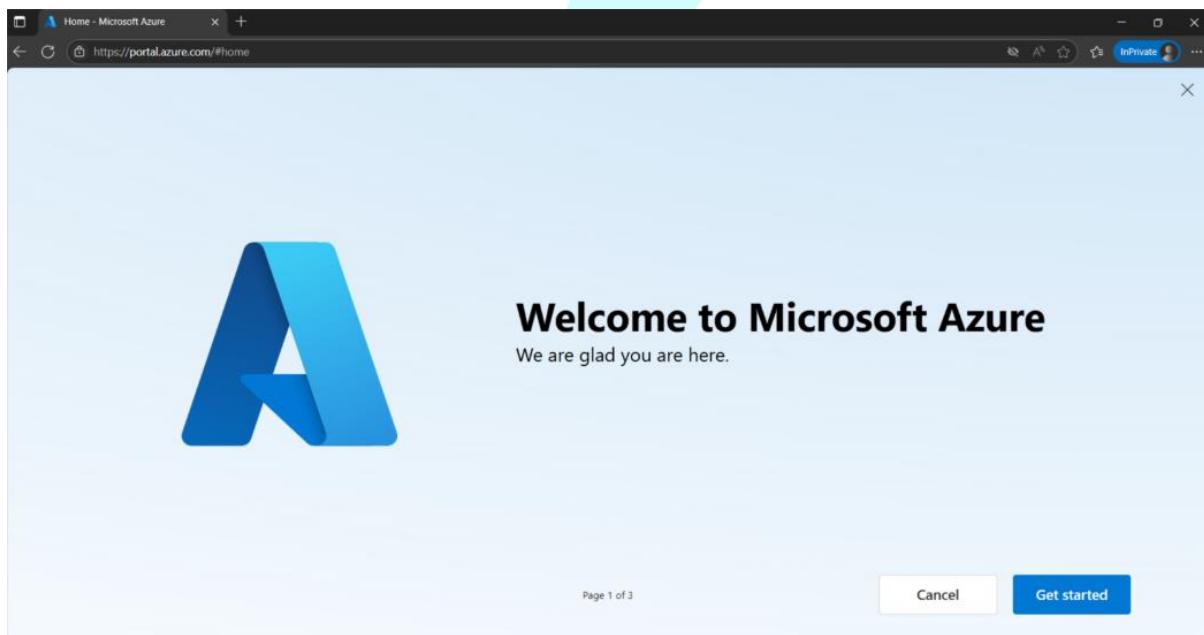
click on next



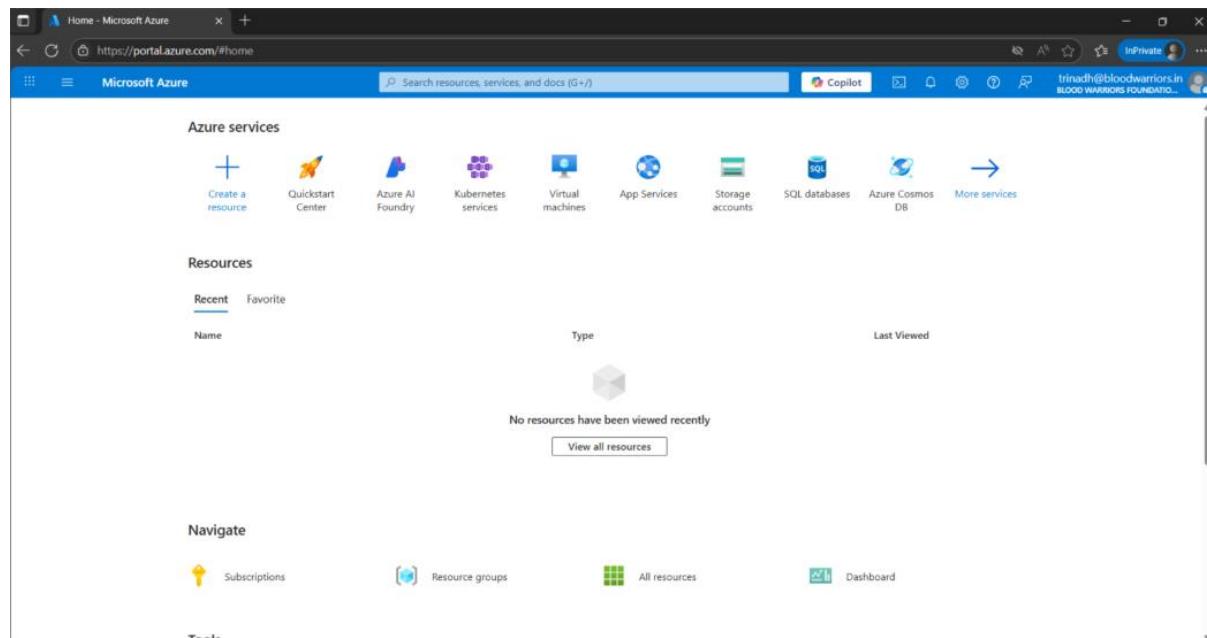
click on Done



Click on Yes

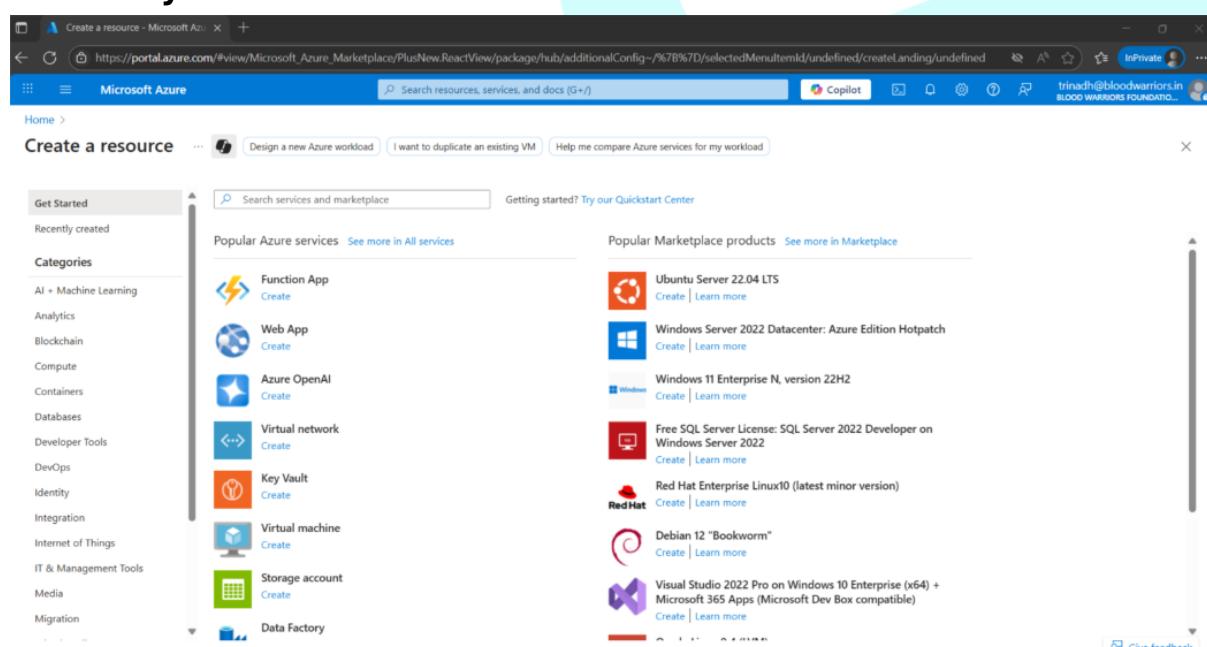


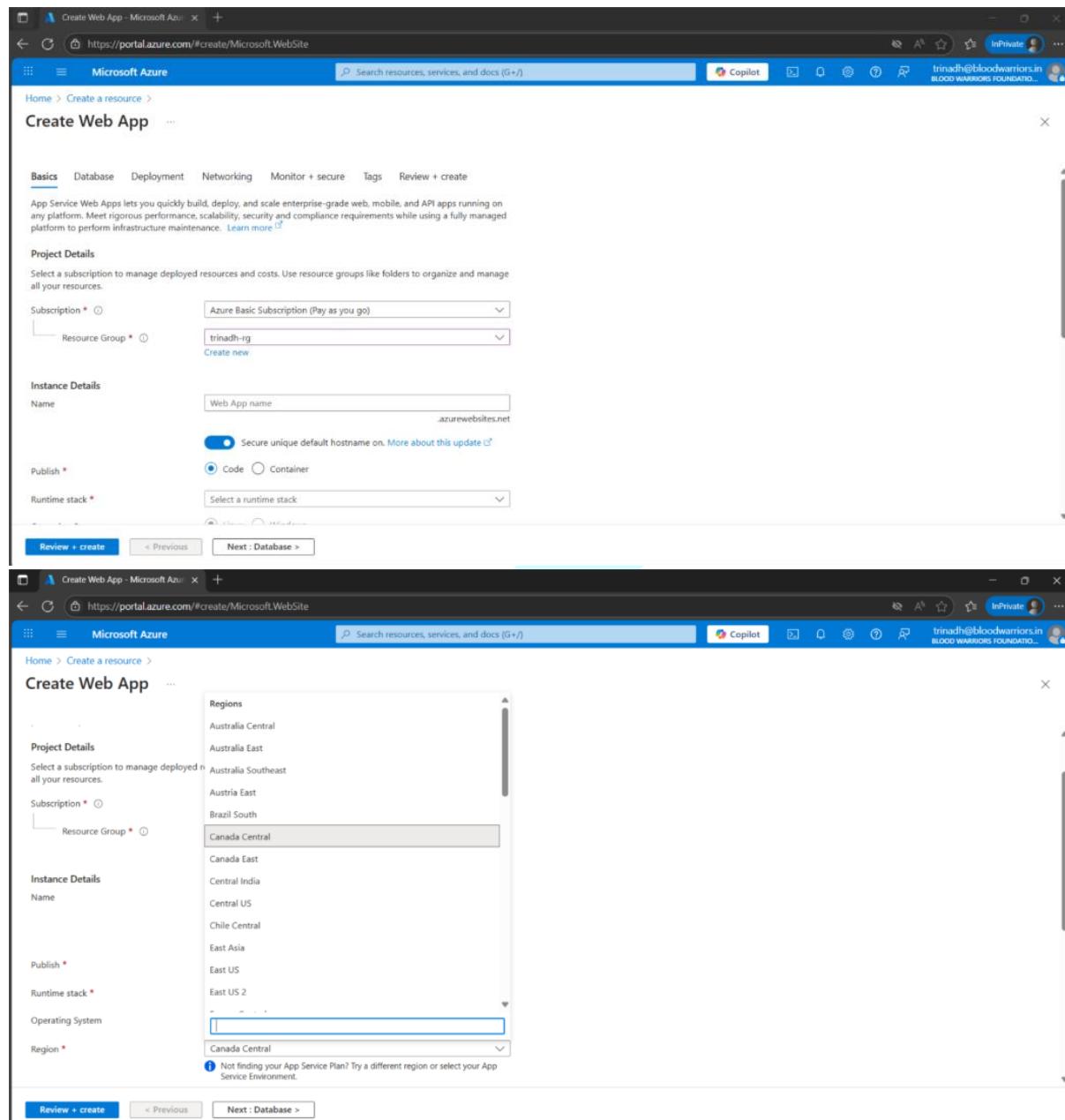
Click Get Started



Azure Setup is completed

2. Create your Resource:





Create Web App

Basics

Subscription *

Resource Group * Create new

Name .azurewebsites.net

Secure unique default hostname on. [More about this update](#)

Publish * Code Container

Runtime stack *

Review + create **< Previous** **Next : Database >**

Regions

- Australia Central
- Australia East
- Australia Southeast
- Austria East
- Brazil South
- Canada Central**
- Canada East
- Central India
- Central US
- Chile Central
- East Asia
- East US
- East US 2
- Canada Central**

Not finding your App Service Plan? Try a different region or select your App Service Environment.

Review + create **< Previous** **Next : Database >**

Azure Resource Setup & Role Assignments – User Guide

1. Azure SQL Database

Goal: Deploy a single Azure SQL Database.

Steps:

- In the Azure Portal, go to **SQL Databases**.
- Select **Create** under *Single database*.
- On the **Basics** tab:
 - Choose subscription and resource group.
 - Name the database.
 - Create or select an existing server (unique name, region, admin credentials).
 - Set options (e.g., elastic pool = No, workload environment).
- **Review + Create**.

Role Assignment:

- Navigate to the SQL Database resource → **Access Control (IAM)** → **Add role assignment**.
- Choose roles like:
 - *SQL DB Contributor*.
 - *SQL Security Manager*.
 - *Reader*.

🔗 <https://learn.microsoft.com/en-us/azure/azure-sql/database/single-database-create-quickstart>

2. Azure Machine Learning (Workspace + Compute Instance)

Goal: Set up an ML environment.

Steps:

- In **Azure ML Studio** → **Create workspace**.
- Provide workspace details (name, subscription, region, hub optional).
- **Create**.
- Inside workspace → **New > Compute instance**.
- Provide name → **Review + Create**.

Role Assignment:

- Go to the **workspace** → IAM → Assign:
 - *Contributor*.
 - *Reader*.
 - *Owner*.
 - *AzureML Data Scientist*.

🔗 <https://learn.microsoft.com/en-us/azure/machine-learning/quickstart-create-resources>

3. Azure OpenAI Service

Goal: Provision GPT-capable resource.

Steps:

- In Portal → Create resource → **Azure OpenAI**.
- Fill Basics (subscription, group, name, tier, region).
- Configure **Networking**.
- **Review + Create**.

Role Assignment:

- Go to the OpenAI resource → IAM.
- Assign roles such as:
 - *Cognitive Services Contributor*.
 - *Cognitive Services User*.

🔗 <https://learn.microsoft.com/en-us/azure/ai-foundry/openai/how-to/create-resource>

4. Azure App Service (Web App Deployment)

Goal: Deploy a web app.

Steps:

- Create resource → **App Service**.
- Configure basics (name, runtime, region, plan).
- **Review + Create**.

Role Assignment:

- IAM → Assign roles like:
 - *Web Plan Contributor*.
 - *Website Contributor*.
 - *Reader*.

🔗 <https://learn.microsoft.com/en-us/azure/app-service/quickstart>

5. Azure Storage (Blob / Table / Queue)

Goal: Create storage accounts.

Steps:

- Create resource → **Storage account**.
- Configure (subscription, group, location, replication, performance).
- Create containers, tables, queues.

Role Assignment:

- IAM → Assign roles:
 - *Storage Blob Data Contributor*.
 - *Storage Queue Data Contributor*.
 - *Storage Table Data Contributor*.
 - *Reader*.

🔗 <https://learn.microsoft.com/en-us/azure/storage/common/storage-account-create>

6. Azure Data Factory

Goal: Create ETL pipelines.

Steps:

- Create resource → **Data Factory**.
- Configure (subscription, group, name, version, region).
- Author pipelines.

Role Assignment:

- IAM → Assign:
 - *Data Factory Contributor.*
 - *Reader.*

🔗 <https://learn.microsoft.com/en-us/azure/data-factory/quickstart-create-data-factory-portal>

7. Azure Service Bus / Event Grid

Goal: Messaging infrastructure.

Steps – Service Bus:

- Create resource → **Service Bus**.
- Configure namespace, tier, region.

Steps – Event Grid:

- Create resource → **Event Grid Topic**.
- Add topics/subscriptions.

Role Assignment:

- IAM roles include:
 - *Azure Service Bus Data Sender.*
 - *Azure Service Bus Data Receiver.*
 - *EventGrid Contributor.*

🔗 Service Bus: <https://learn.microsoft.com/en-us/azure/service-bus-messaging/service-bus-quickstart-portal>

🔗 Event Grid: <https://learn.microsoft.com/en-us/azure/event-grid/custom-event-quickstart-portal>

8. Azure Logic Apps

Goal: Workflow automation.

Steps:

- Create resource → **Logic App (Consumption/Standard)**.
- Configure (name, group, plan).
- Build workflows.

Role Assignment:

- IAM → Assign roles:

- *Logic App Contributor.*
- *Logic App Operator.*
- *Reader.*

🔗 <https://learn.microsoft.com/en-us/azure/logic-apps/quickstart-create-first-logic-app-workflow>

9. Azure Functions

Goal: Deploy function apps.

Steps:

- Create resource → **Function App.**
- Configure basics (runtime, plan, region).
- Create and author functions.

Role Assignment:

- IAM roles:
- *Function App Contributor.*
- *Reader.*

🔗 <https://learn.microsoft.com/en-us/azure/azure-functions/functions-create-function-app-portal>

10. Virtual Machine (VM)

Goal: Create a VM.

Steps:

- Create resource → **Virtual Machine.**
- Configure (name, OS, size, credentials, disks, networking).
- **Review + Create.**

Role Assignment:

- IAM roles:
- *Virtual Machine Contributor.*
- *Reader.*
- Optionally assign **RBAC for VM login:**
- *Virtual Machine Administrator Login.*
- *Virtual Machine User Login.*

🔗 <https://learn.microsoft.com/en-us/azure/virtual-machines/windows/quick-create-portal>

11. Azure Cosmos DB

Goal: Multi-model distributed DB.

Steps:

- Create resource → **Azure Cosmos DB.**
- Choose API (SQL, MongoDB, Cassandra, Gremlin, Table).
- Configure basics (name, location, capacity mode).

- Optionally enable **global distribution**.

Role Assignment:

- IAM roles:
 - *Cosmos DB Account Contributor.*
 - *Cosmos DB Operator.*
 - *Cosmos DB Reader.*

🔗 <https://learn.microsoft.com/en-us/azure/cosmos-db/create-cosmosdb-resources-portal>

12. Azure AI Foundry:

Sign In and Create a Project

- Sign in at ai.azure.com with your Azure account.
- Once signed in, choose “**Create new**” or “**Create a project**”.
- Select the project type:
 - **Foundry project** – recommended for building agents and working with Azure AI Foundry APIs.
- Configure basics:
 - **Project Name**
 - **Resource Group** (new or existing)
 - **Location / Region**
- Click **Create** and wait for provisioning.

Accessing Your API Key (Endpoint & Credentials)

- Open the project in the **Azure AI Foundry portal**.
- In the **Overview** section, you’ll find your **project endpoint**—this is the URL you’ll use to call the API.

🔗 <https://learn.microsoft.com/en-us/azure/ai-foundry/how-to/create-projects>

Regions Suggestions:

- EastUS
- WestUS
- West Europe
- North Europe
- Central US

