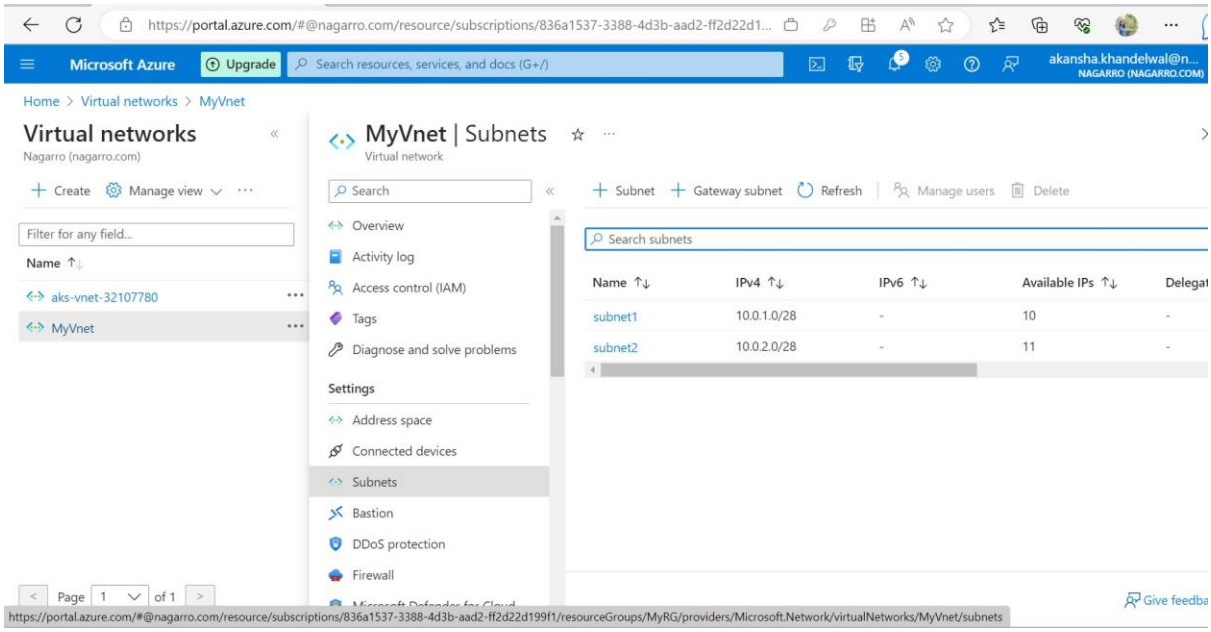
AZURE ASSIGNMENT

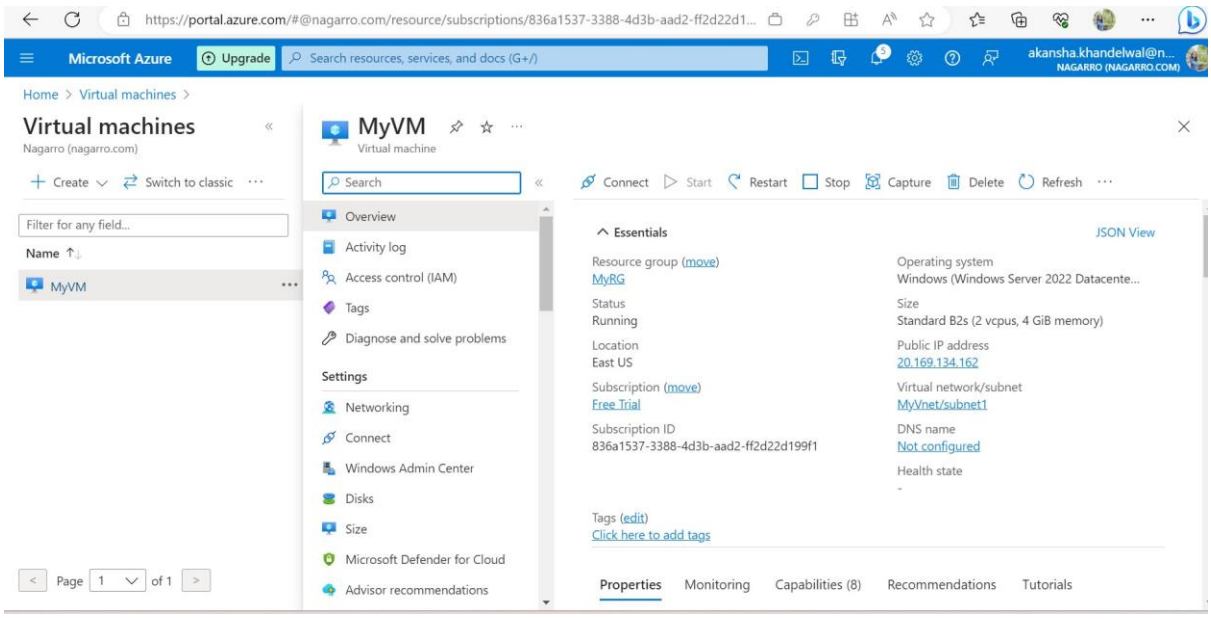
1. Create a virtual network with 2 subnets. Each subnet should have 16 Ips only.

Created Virtual Network and 2 Subnets under resource group MyRG in Free-Trial subscription

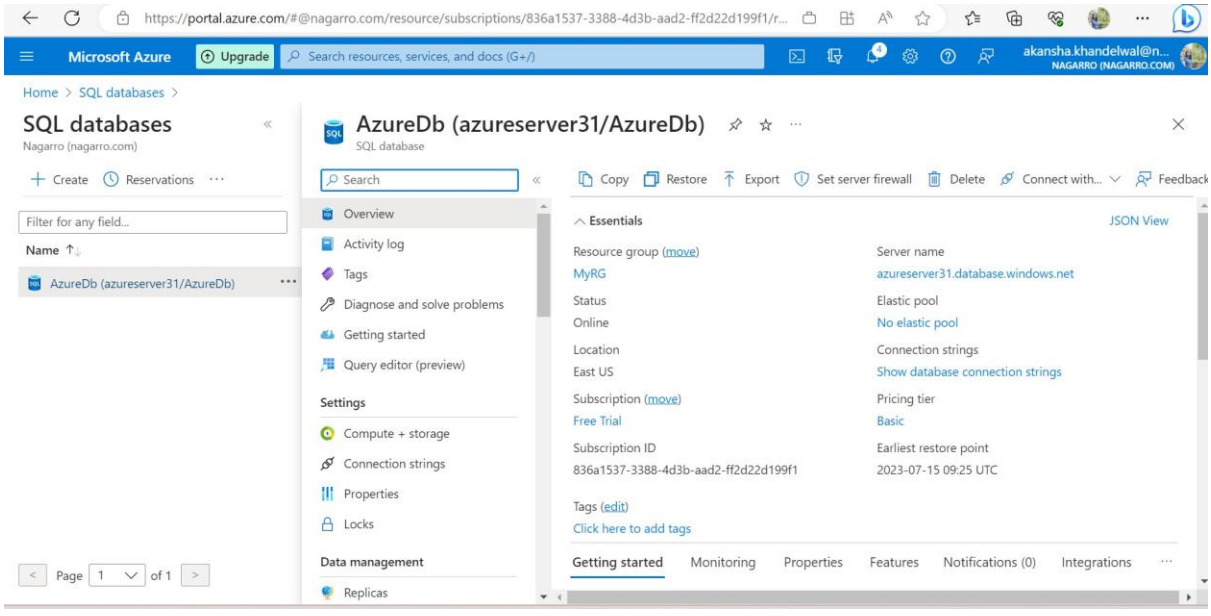


2. Inside one of the subnets, create a VM and deploy an application code inside it and it should leverage the database on the cloud (any existing application created by you before)

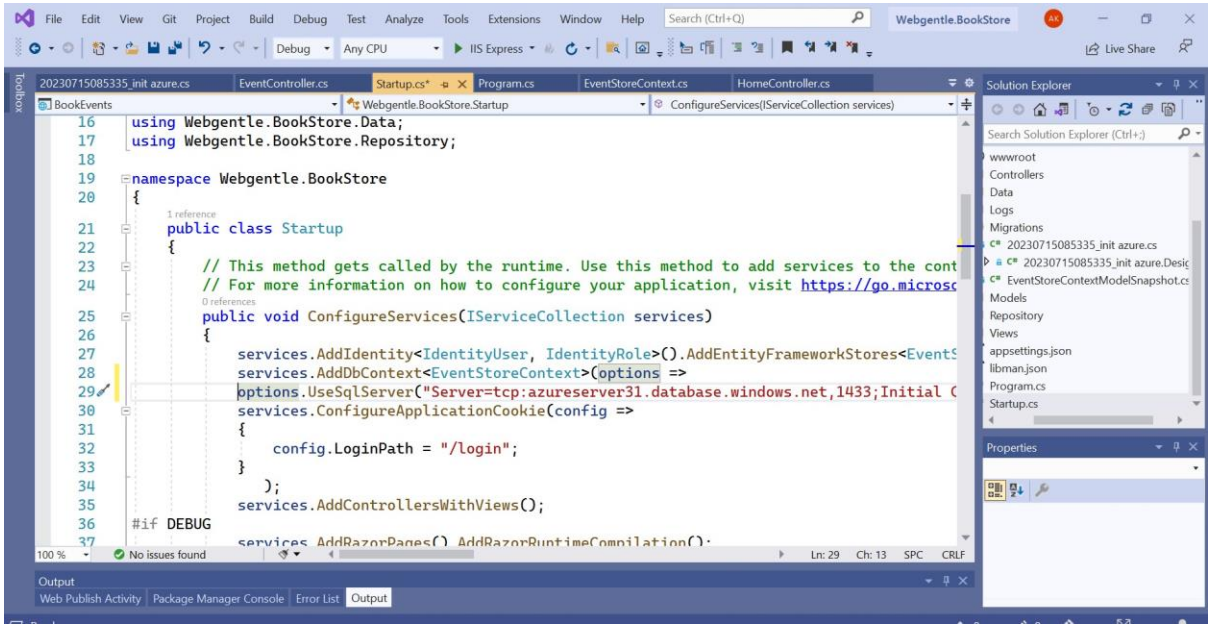
Step 1 -Create VM



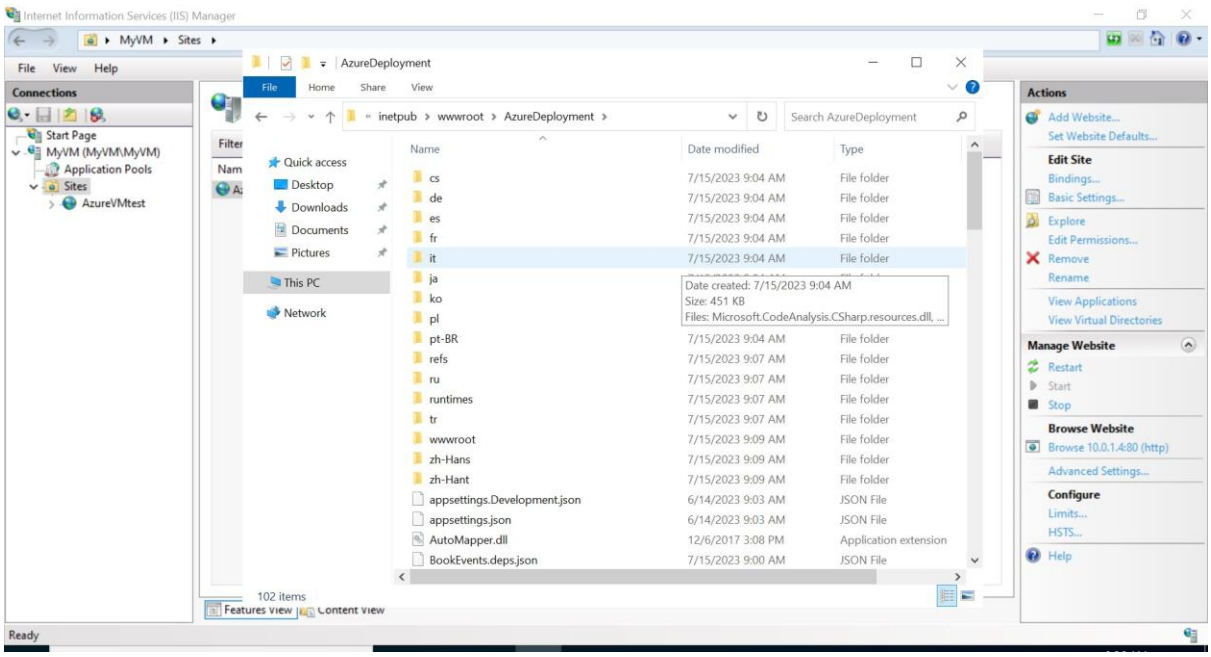
Step-2 Setting up SQL Database



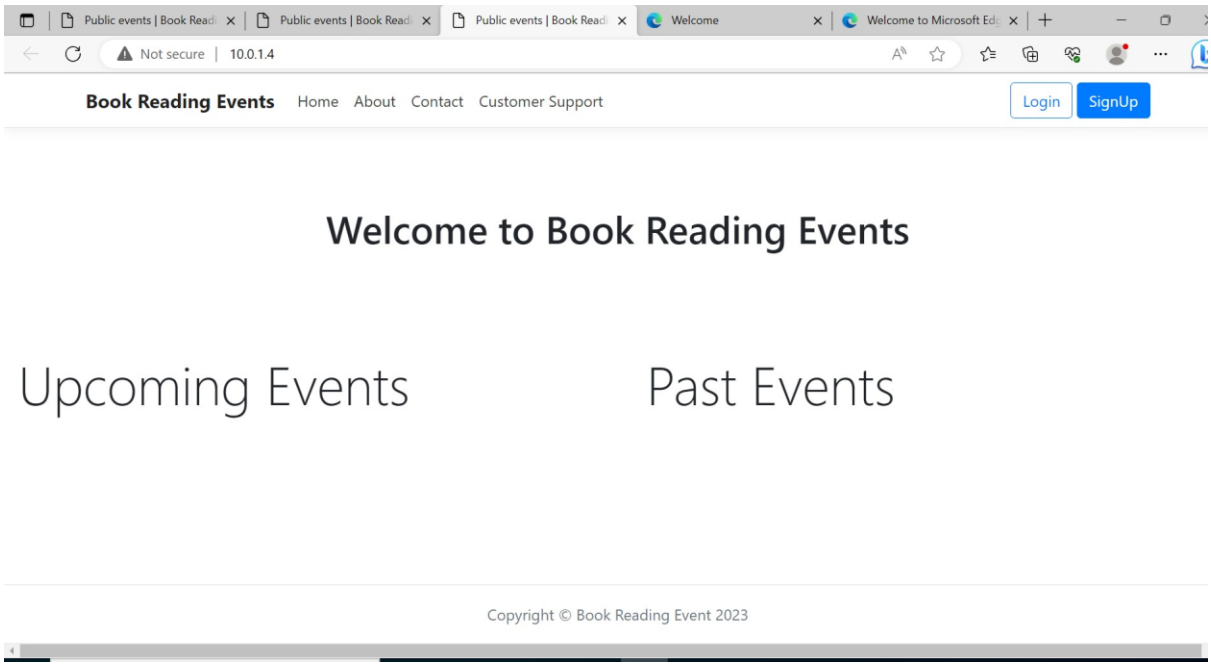
Step-3 Setting up Connection String for Azure SQL database



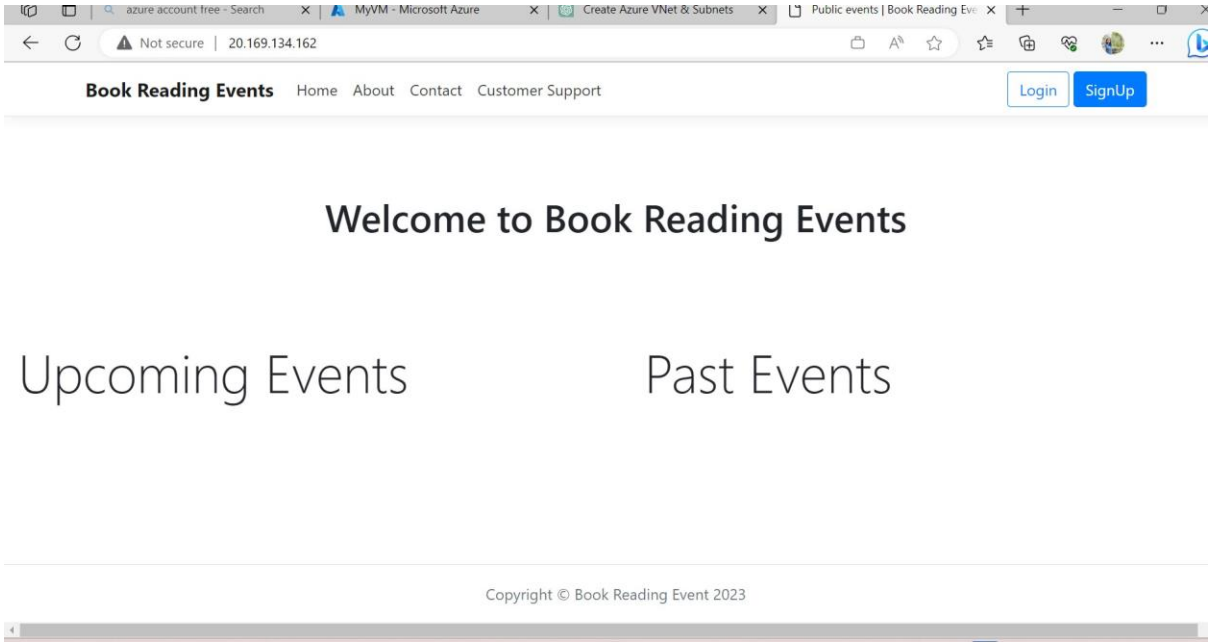
Step- 4 Setting up Environment on VM for Deployment



Step-5 Code Deployed on Virtual Machine

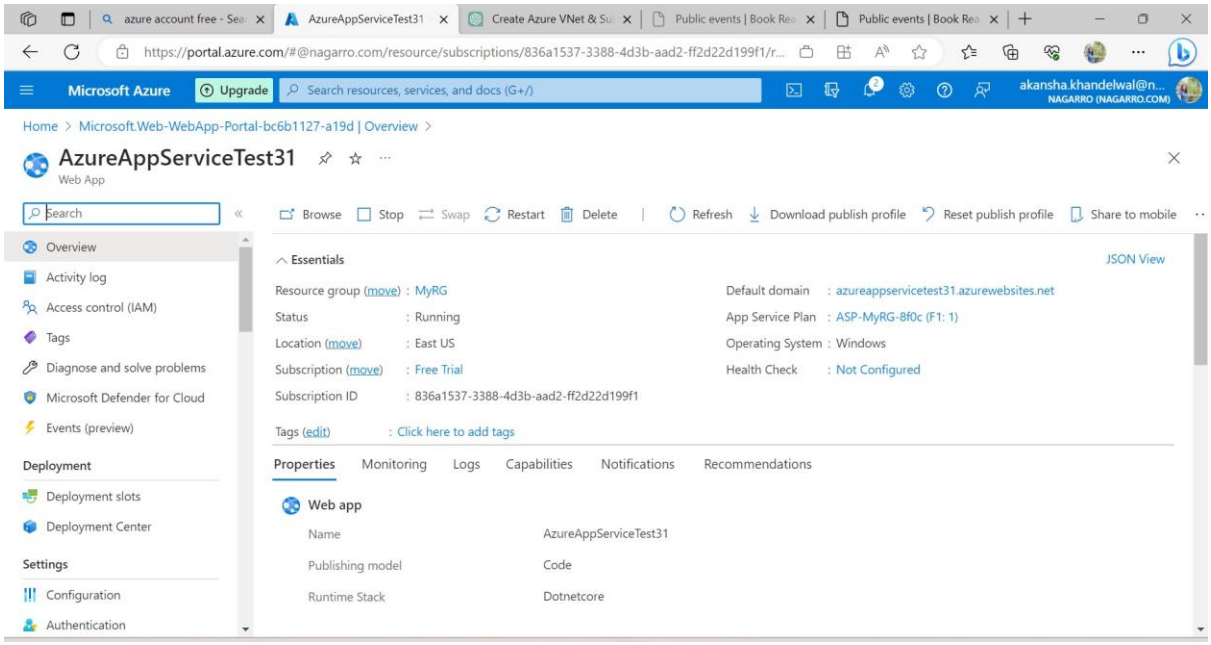


Step- 6 VM Deployed Code Testing on Local machine

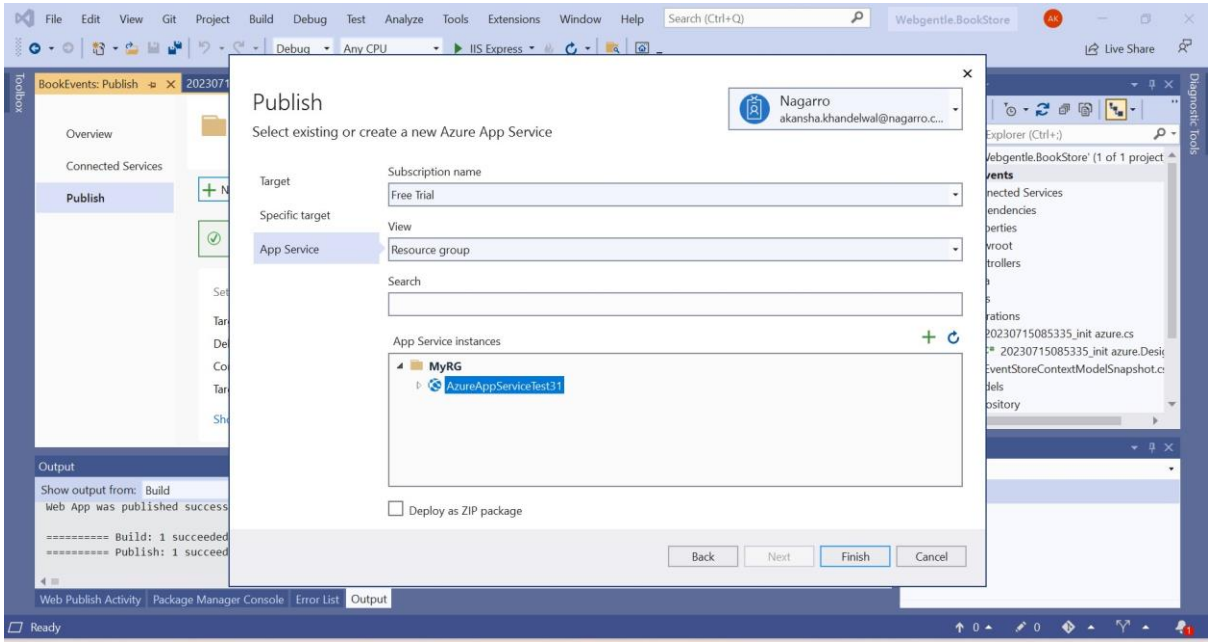


3. Deploy the same application to Azure App Service. It should also leverage the database on the cloud.

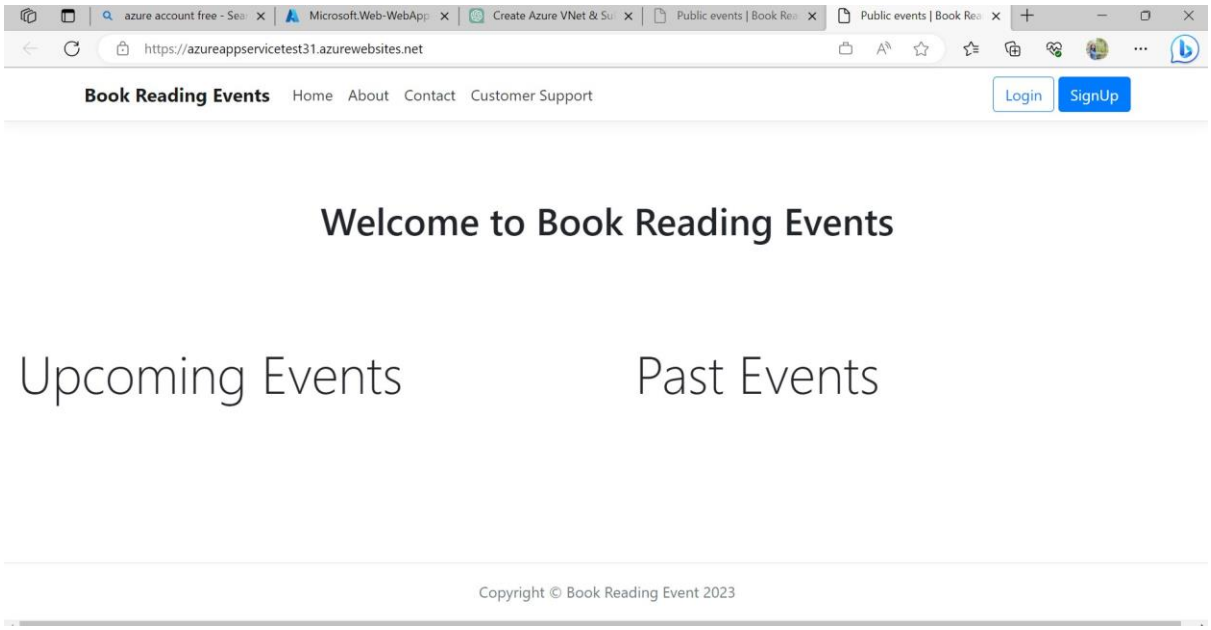
Step -1 Creating App Service



Step-2 Publishing the code to AppService

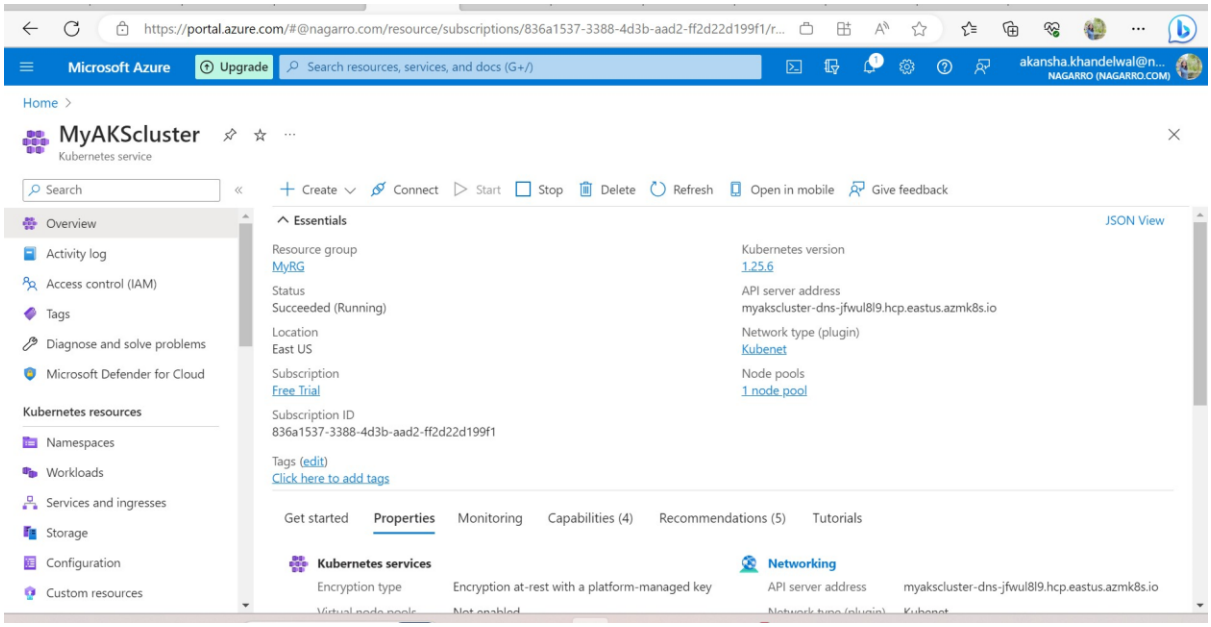


Step-3 Code deployed on Azure App service

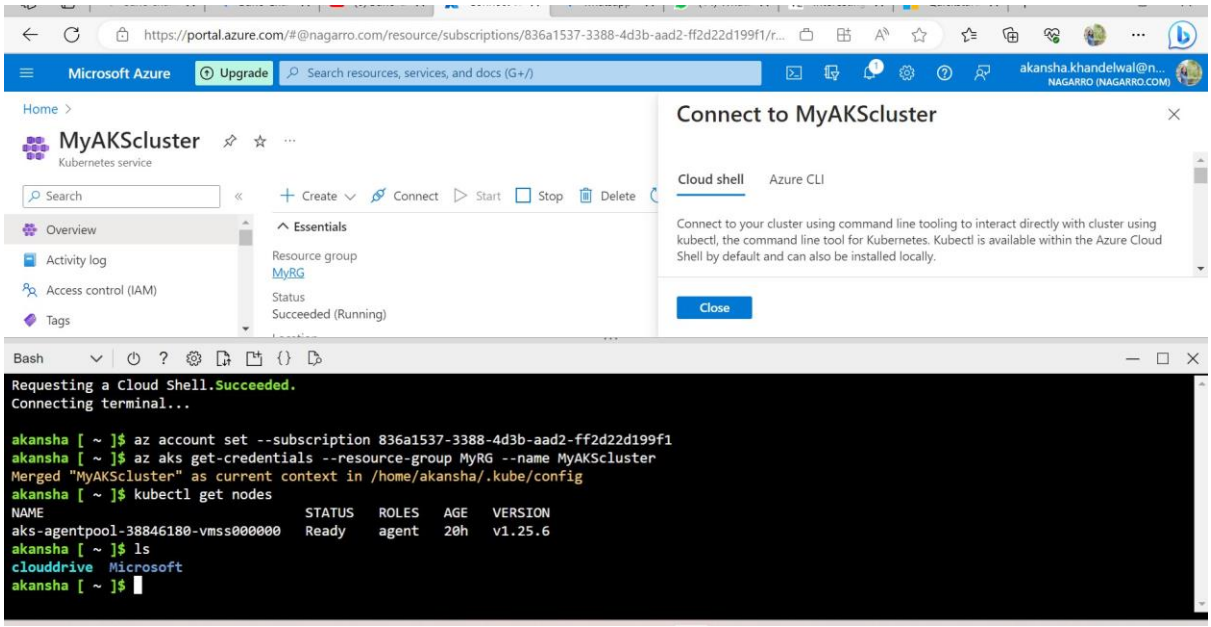


4. Create the AKS cluster and deploy services on it. Services should be accessible from the internet.

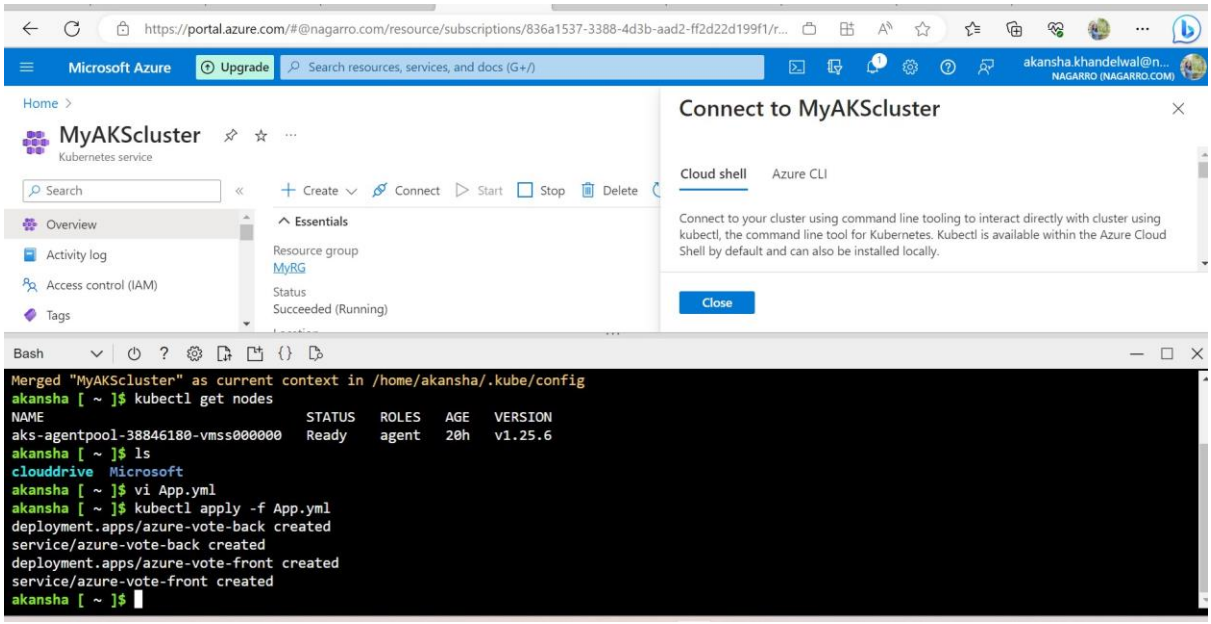
Step-1 Created AKS cluster



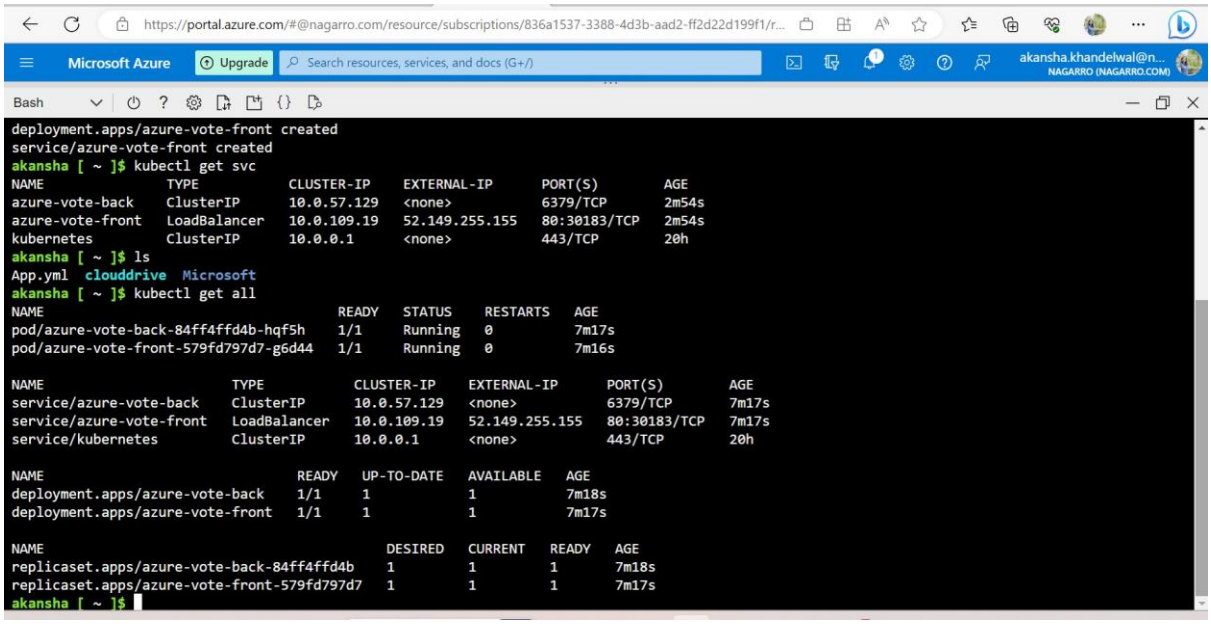
Step-2 Opening cloud-bash and checking nodes



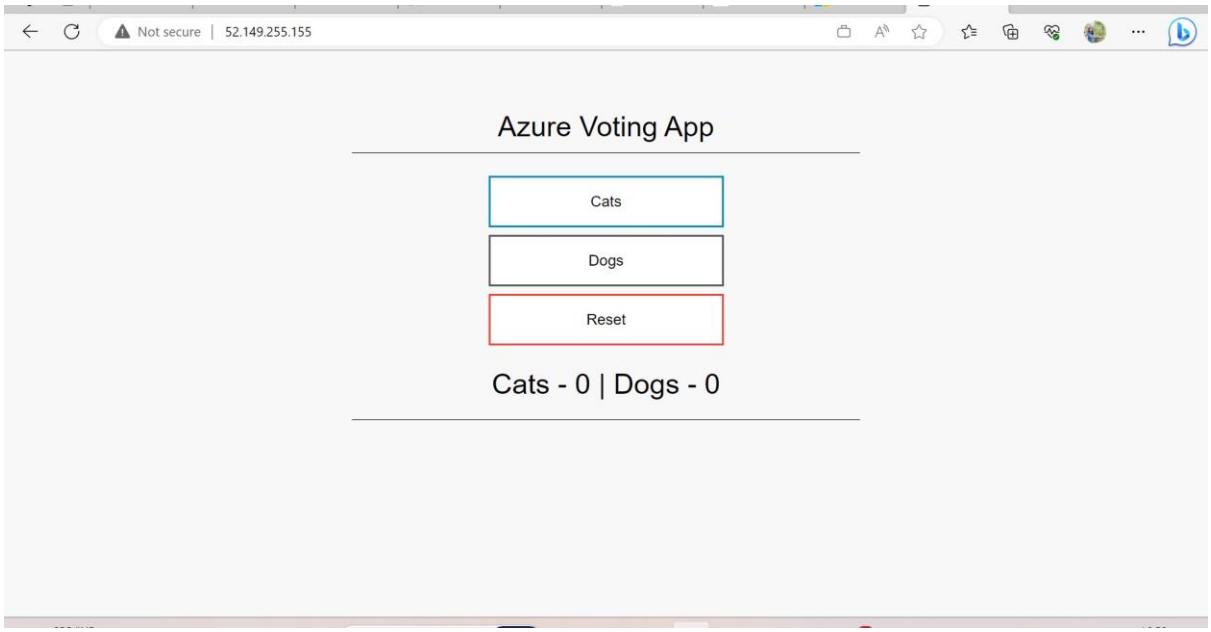
Step-3 Created yaml file and deployed Code on AKS cluster



Step-4 Checking services related to deployed code

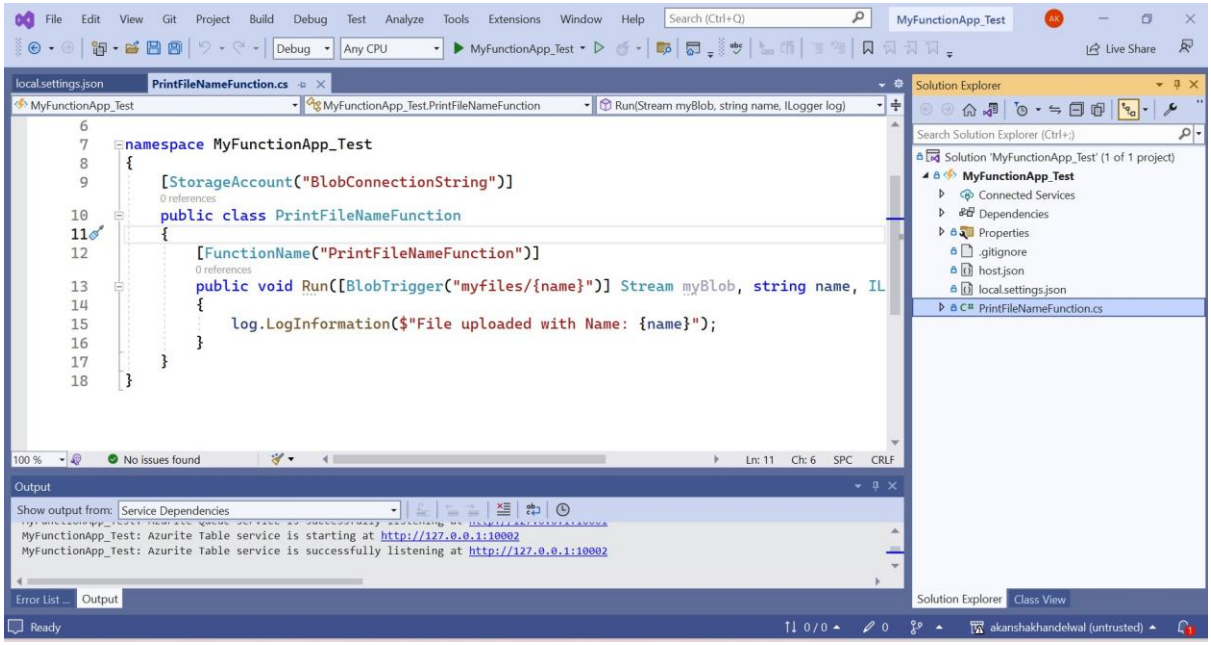


Step-5 Deployed code checking through external-IP

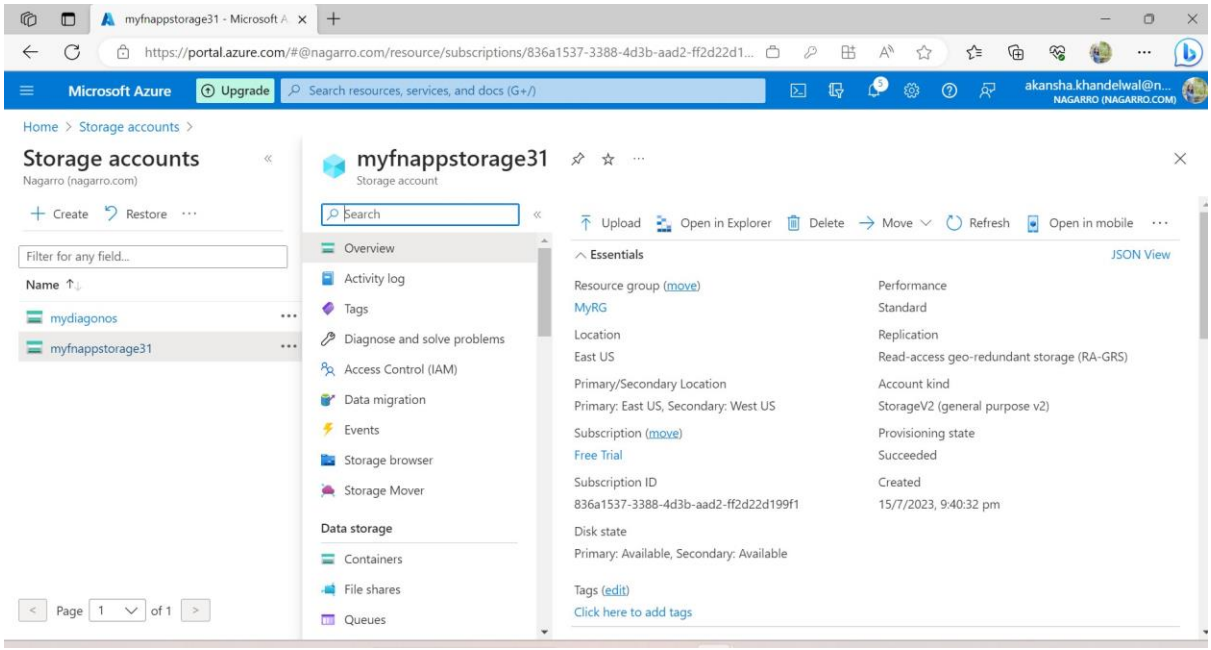


5. Create an Azure function that should trigger as soon as you upload a file in the blob storage. Function should be able to print the name of the file uploaded in the function.

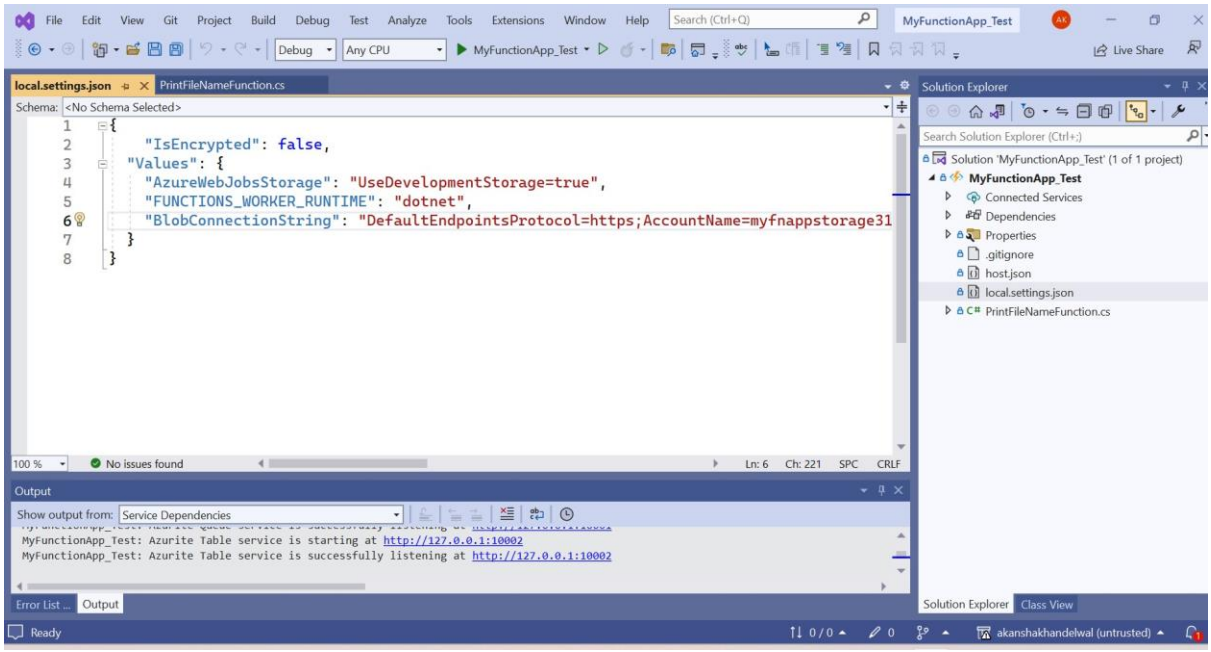
Step-1 Creating Azure Function in Visual studio 2022



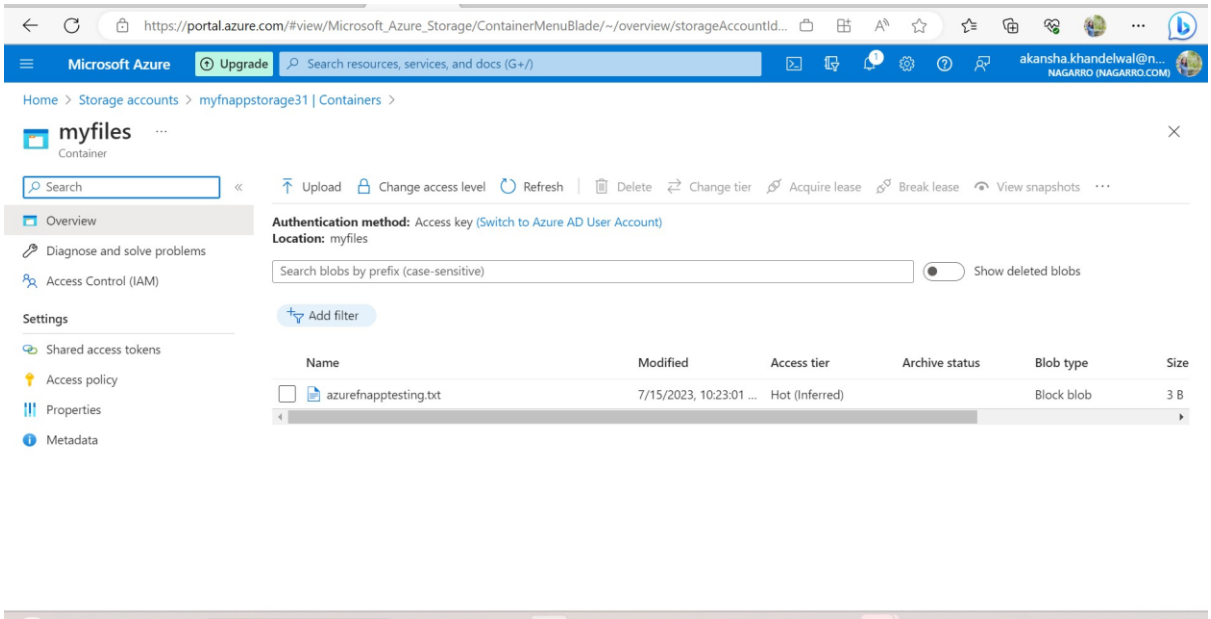
Step-2 Created Storage Account



Step-3 Setting up Blob Connection String of Storage Account



Step-4 Created Container in Storage account and uploaded file



Step-5 Blob Trigger Created while uploading file