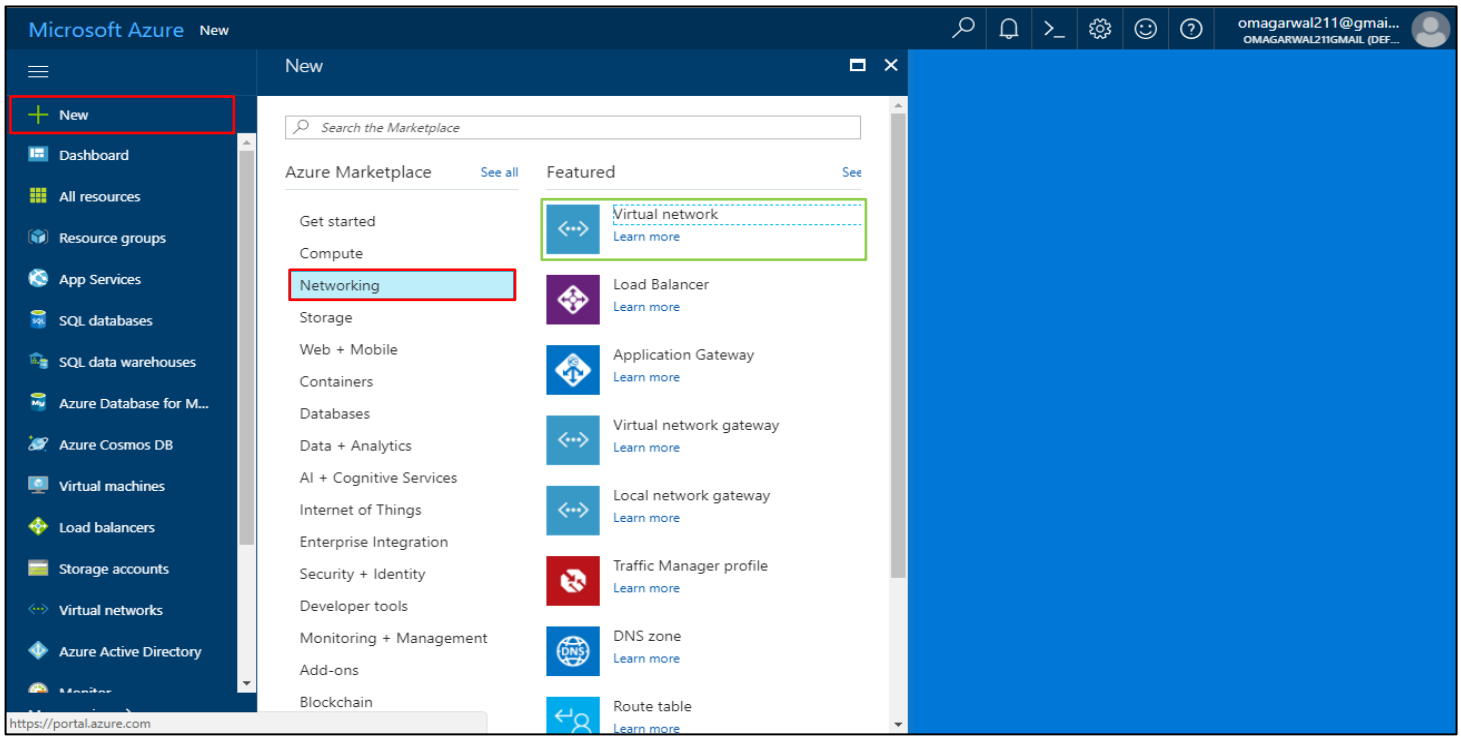
# Module 2: Azure Virtual Machines And Networking

## Demo 5

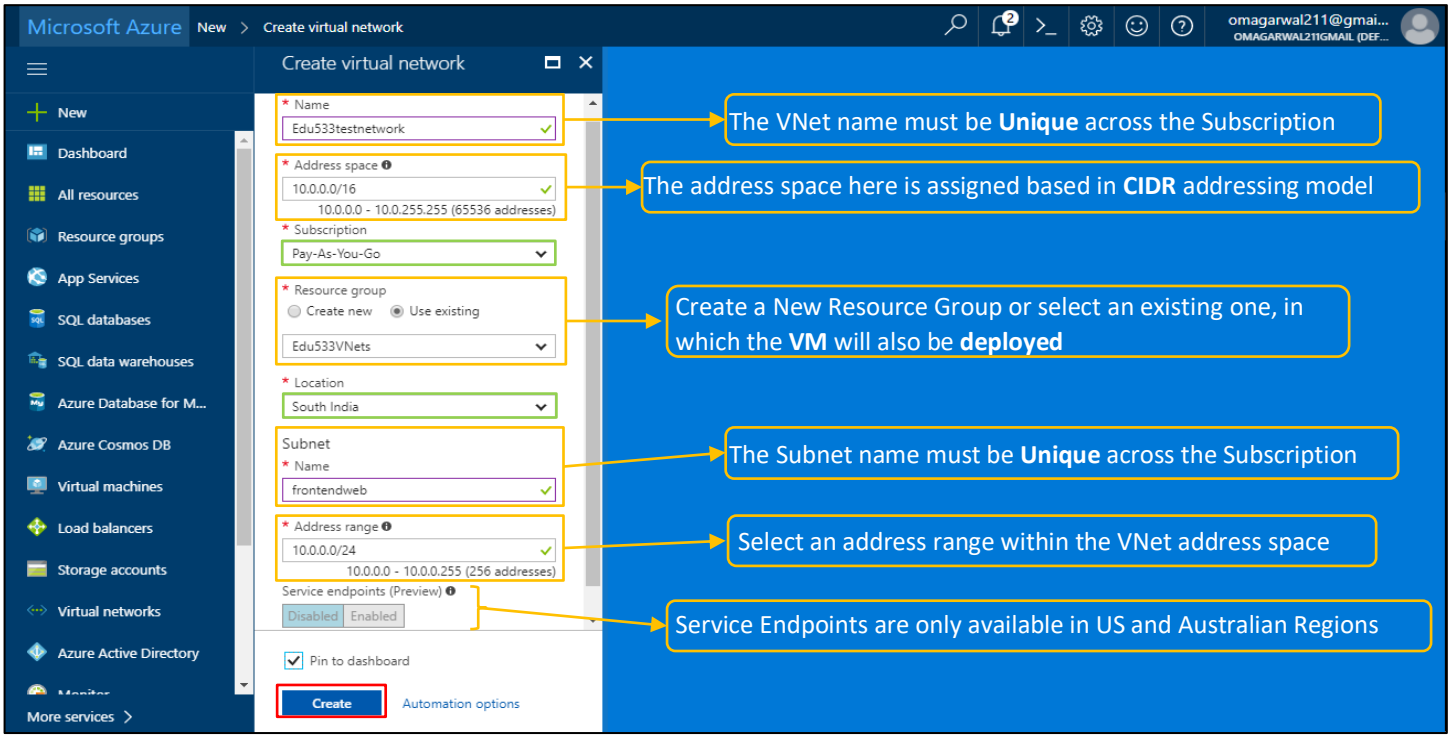
# Demo 5 – Configure Azure Networking

## 1. Create Virtual Network:

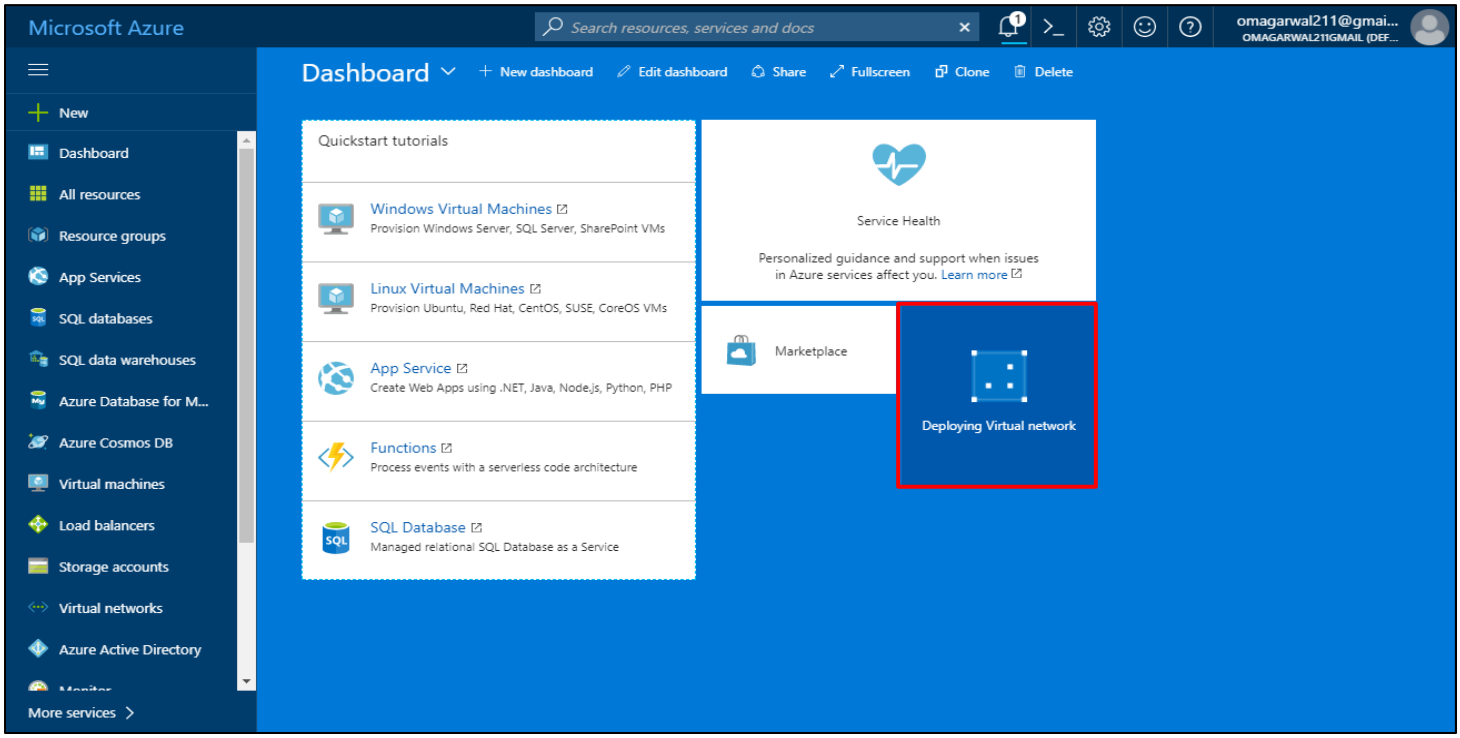
Step 1: In the Portal, Goto: +New > Networking > Click on **Virtual Network**:



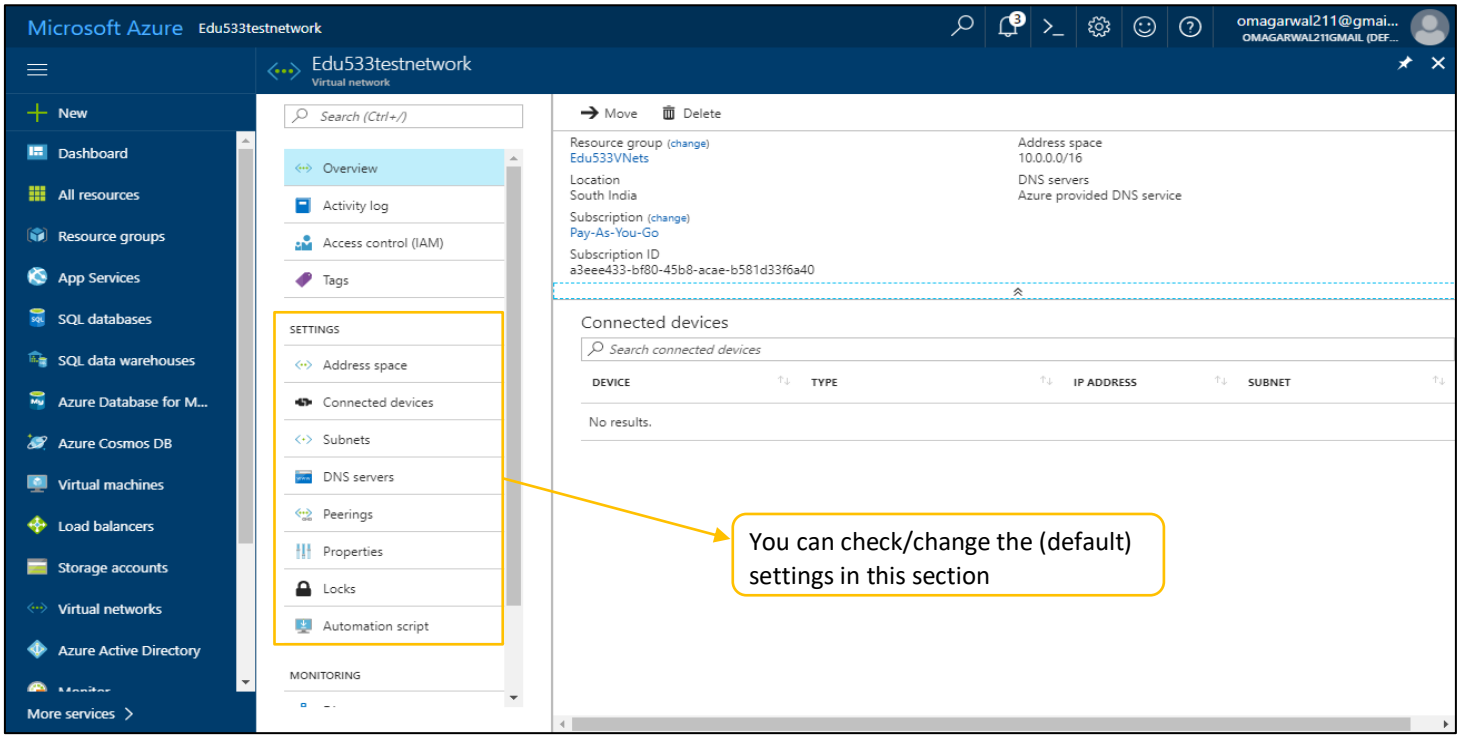

Step 2: In the Virtual Network blade, fill the details as shown below and Click **Create** :



Step 3: Once you click on Create, your VNet deployment progress is displayed on the dashboard:

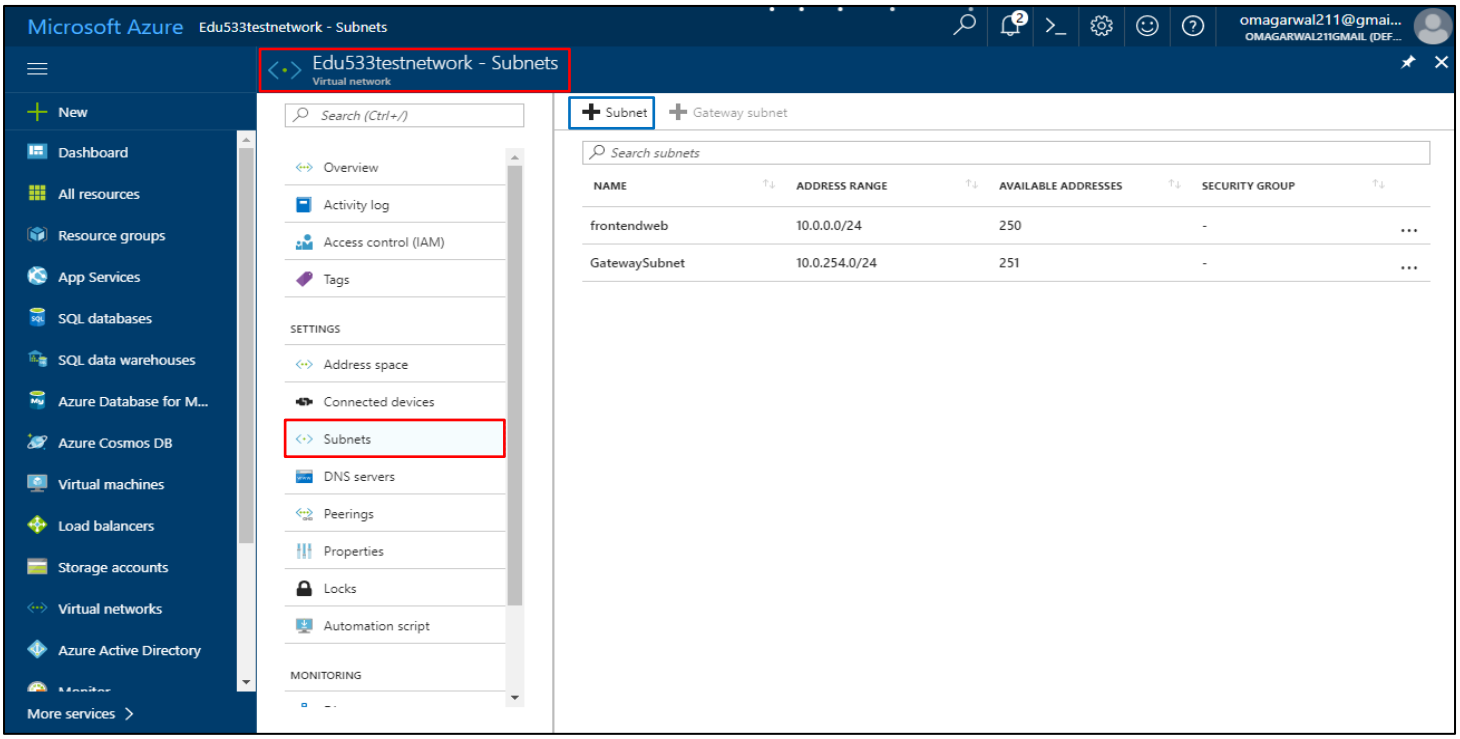



Step 4: Once deployed, an overview window of your VNet will be displayed:

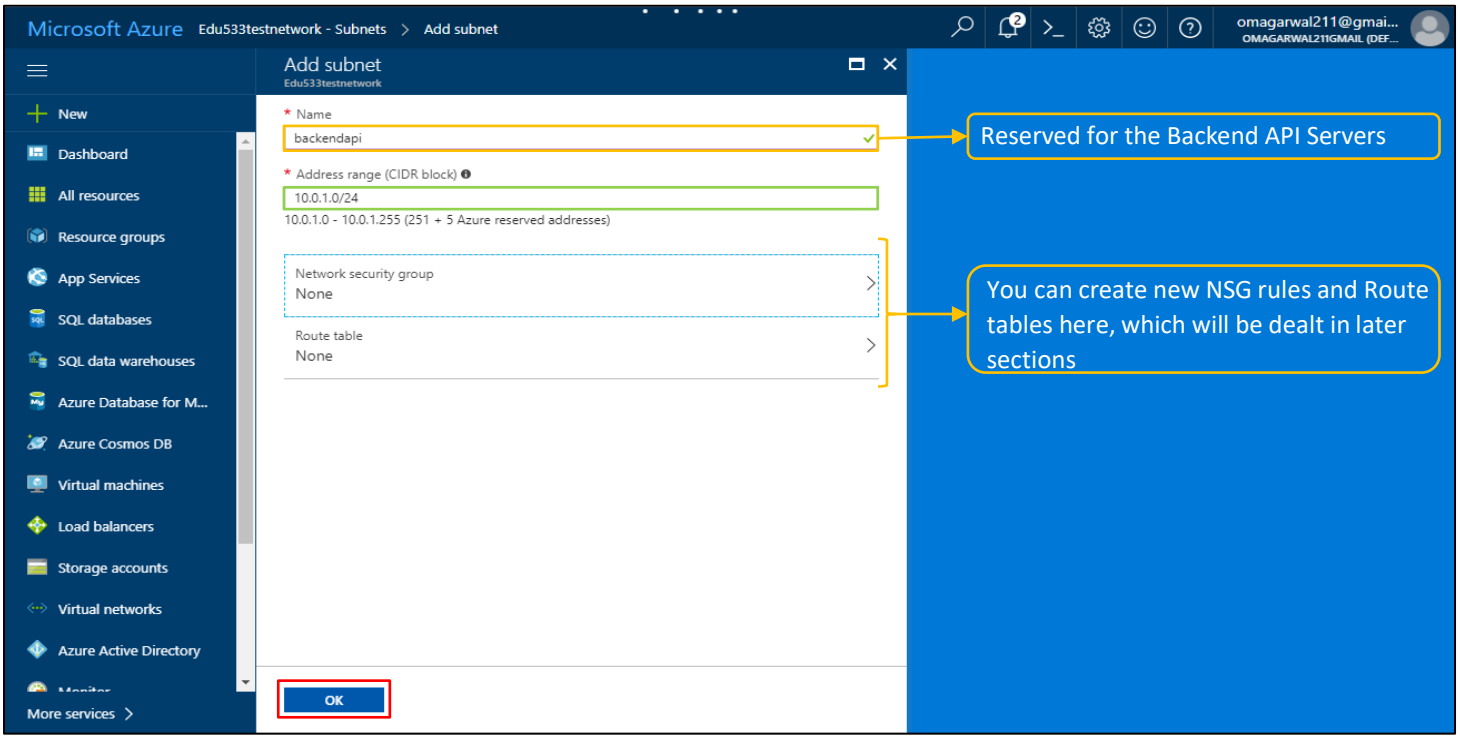


## 2. Configure Subnets:

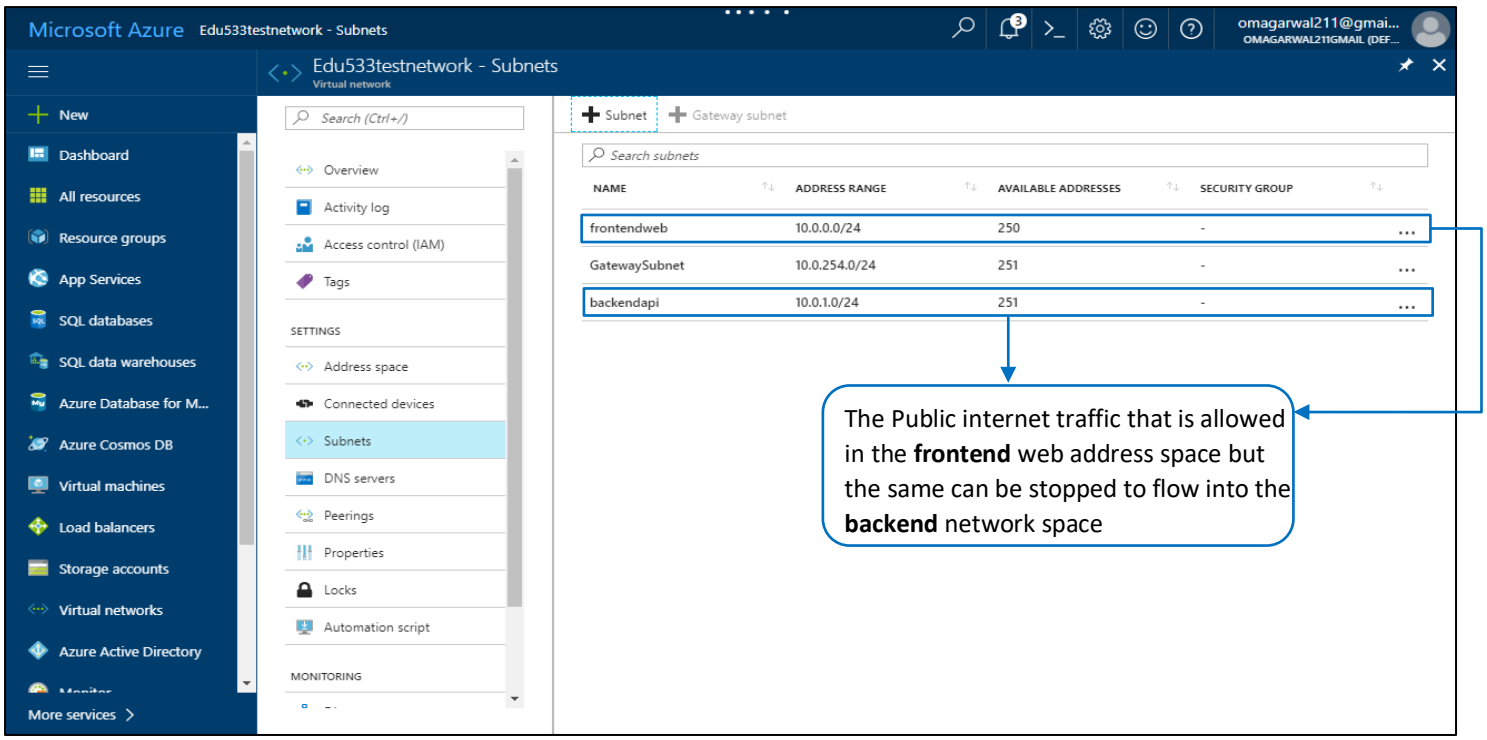
Step 1: In the Virtual Network window, Goto: Subnets > **+Subnet** to create a new Subnet:




Step 2: Once you click on the +Subnet, configure the subnet as shown below:

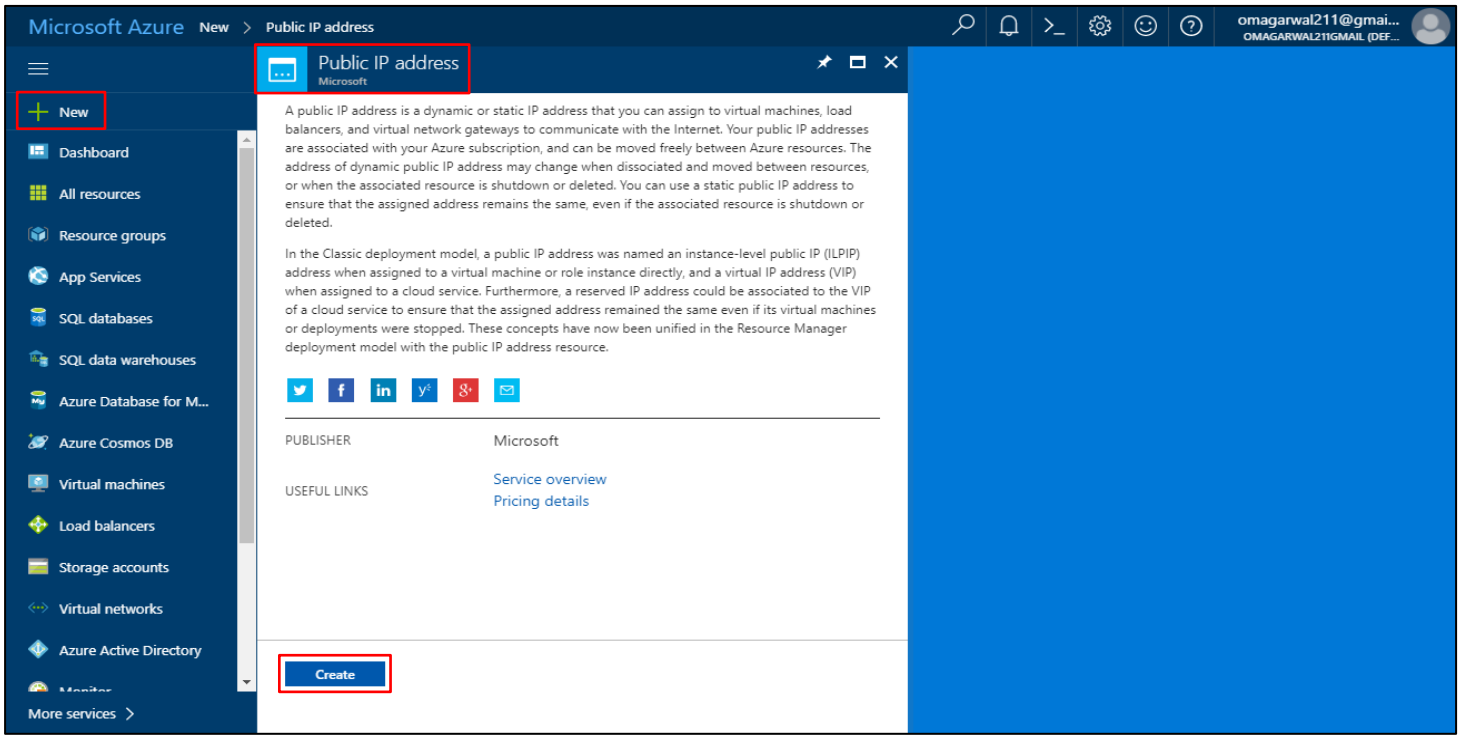


Step 3: The main purpose of the subnet is Security such as the below scenario:

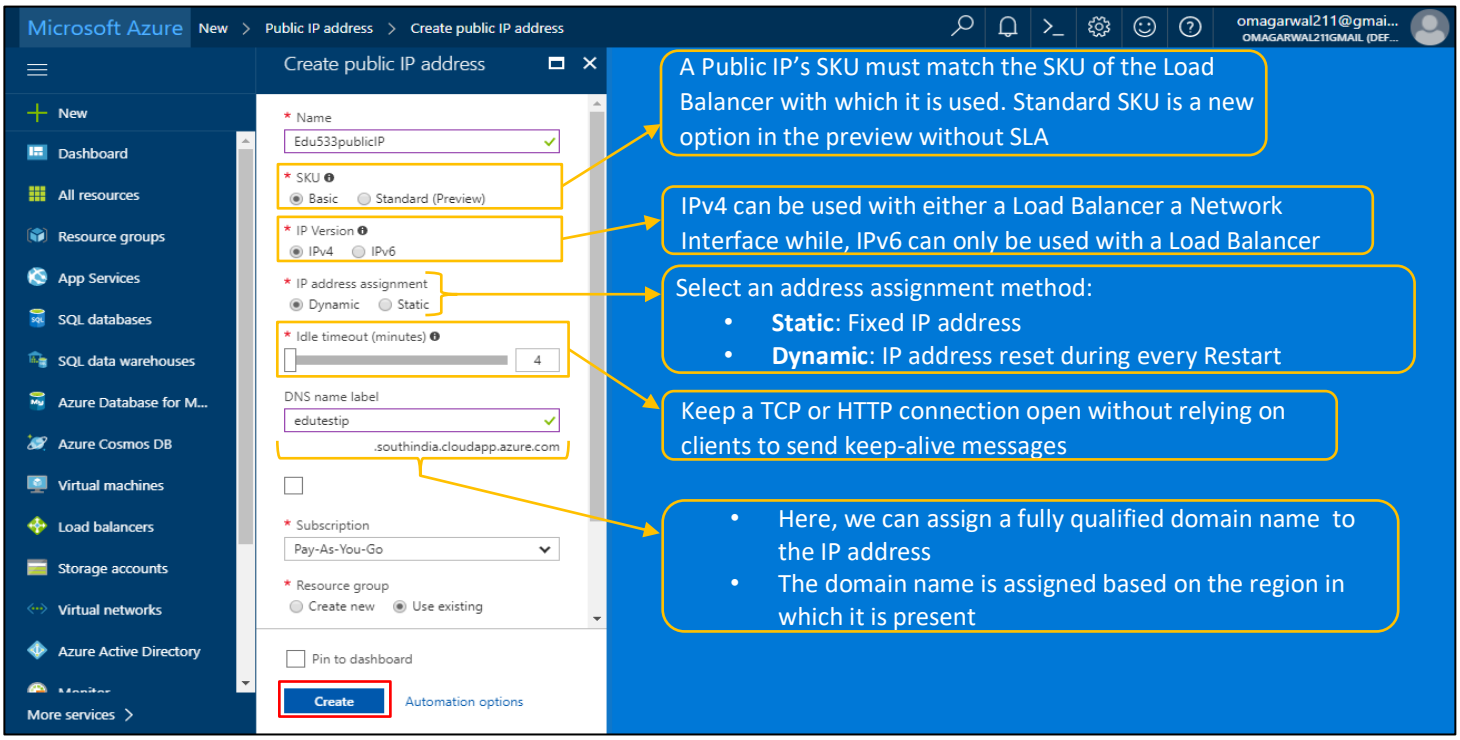


## 3. Configure Static, Public and Private IP Addresses:

Step 1: In the Portal, Goto: +New > Search for **Public IP Address** > Click on **Create**:

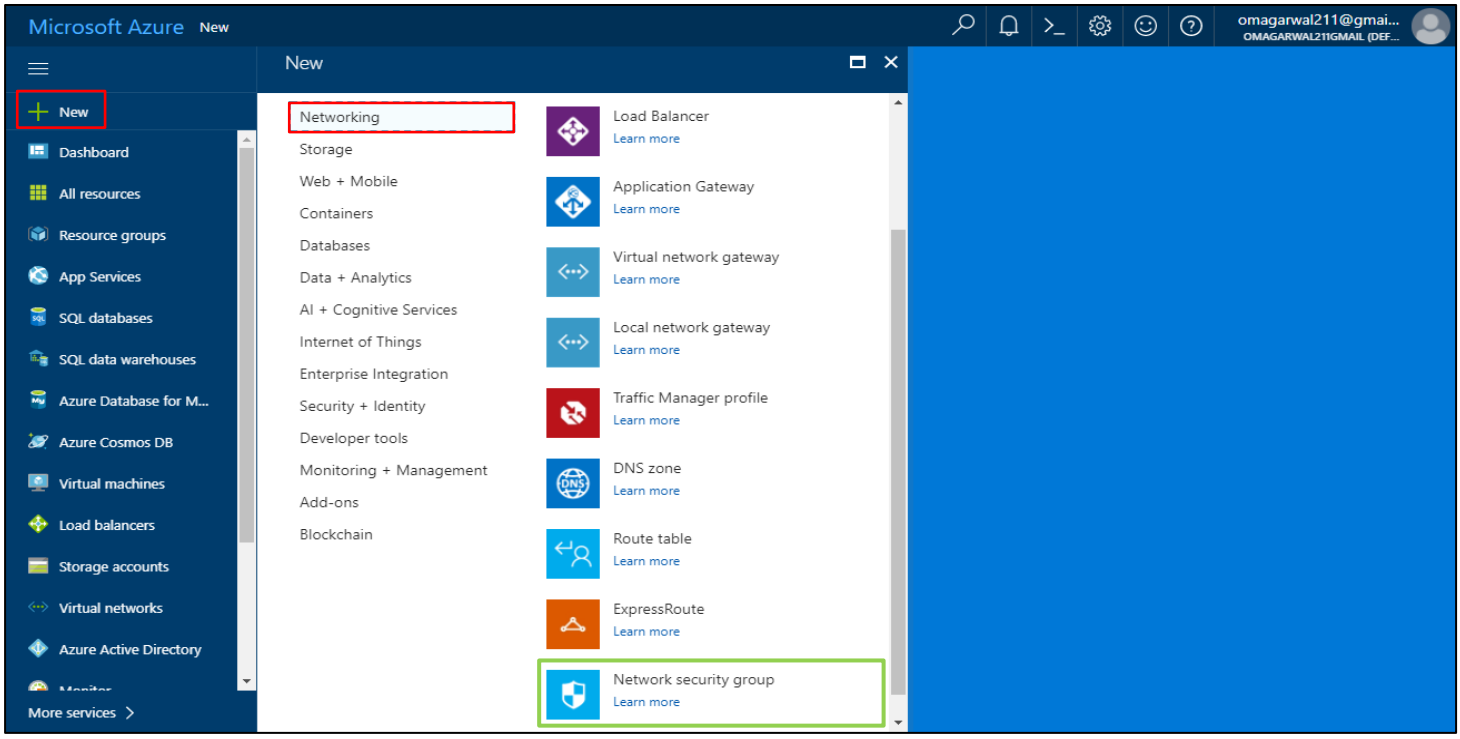



Step 2: Once you click Create, configure the Public IP address as shown below on the blade:

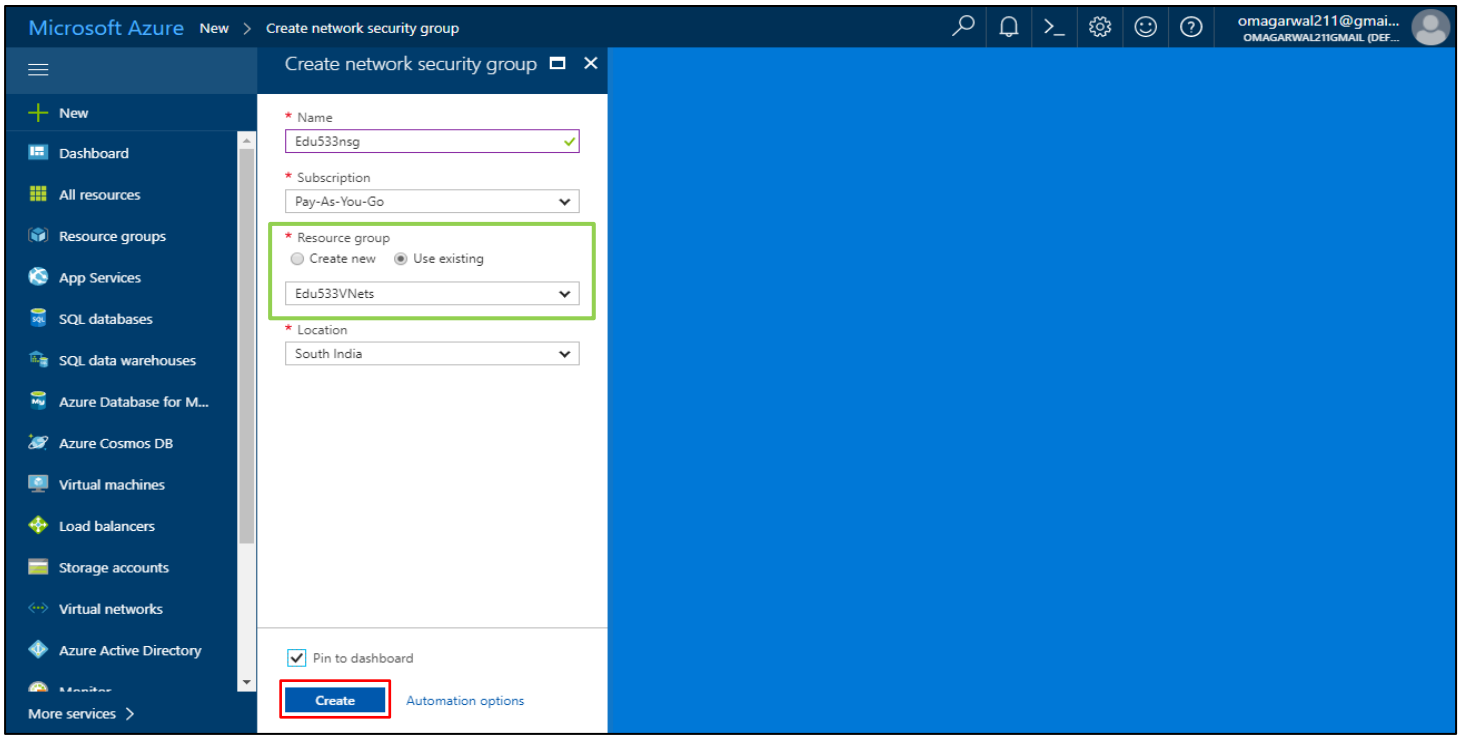


## 4. Setup Network Security Groups (NSGs):

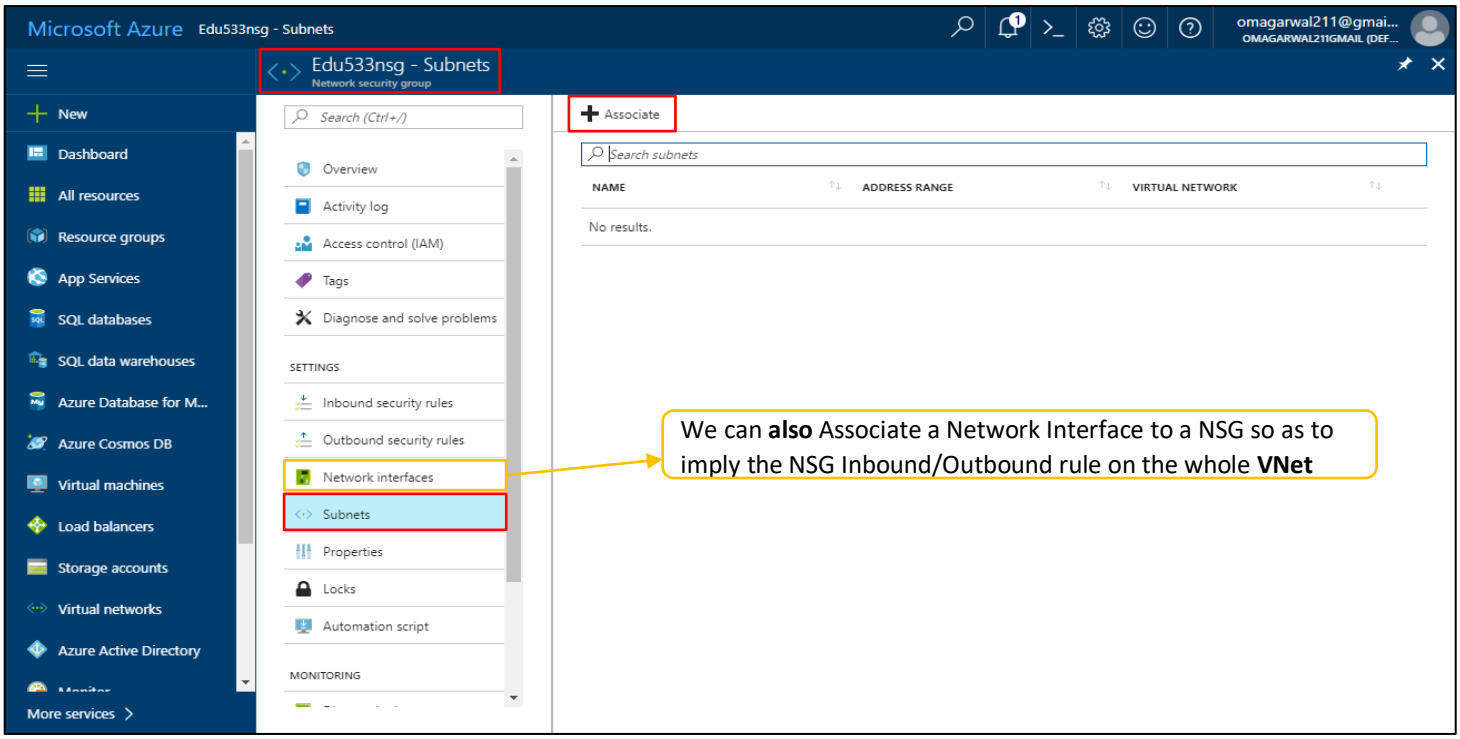
Step 1: In the Portal, Goto: **+New** > Networking > Click on **Networking Security Group**:



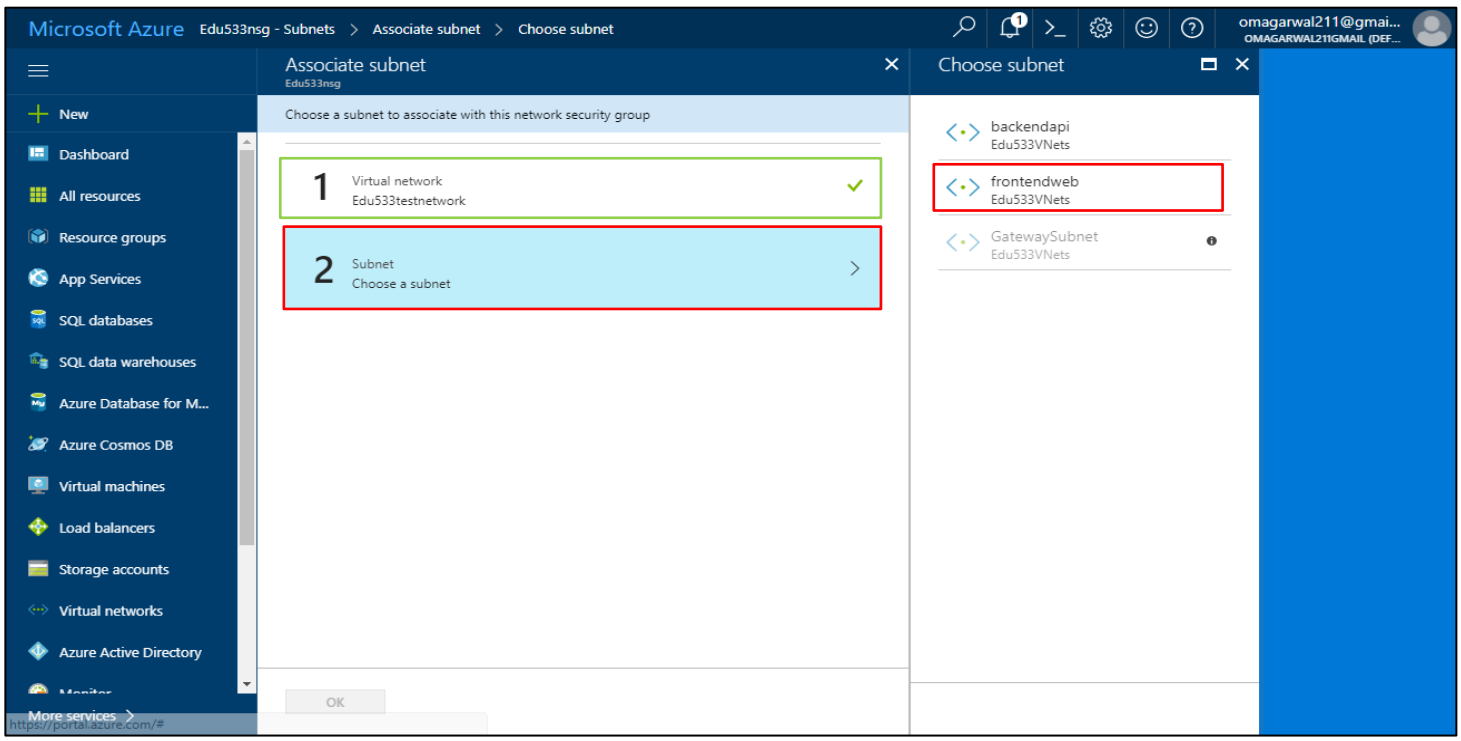

Step 2: Once you click on NSG, add the NSG to a Resource Group as shown below and click **Create**:



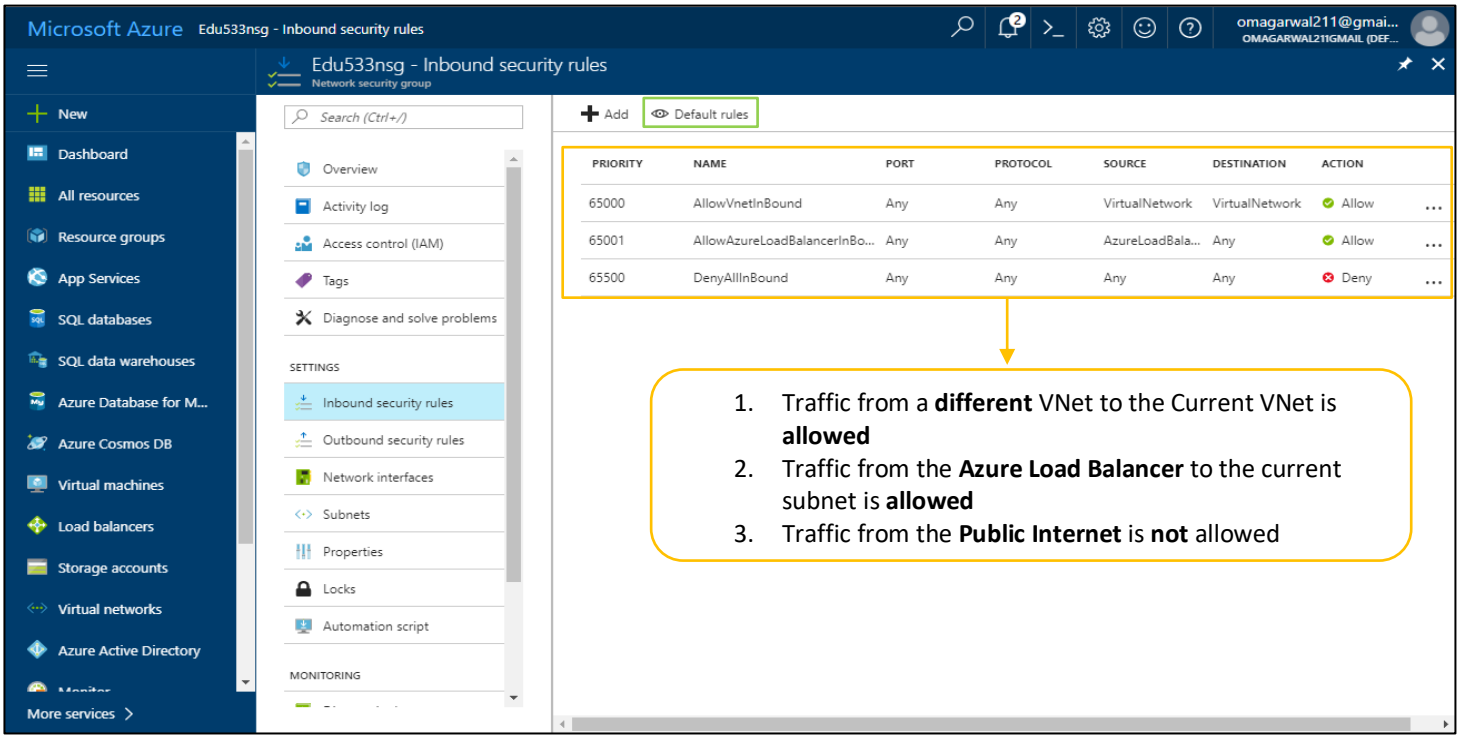
Step 3: In the NSG window, Select **Subnets** in the menu > Click on **+Associate** to select a subnet:



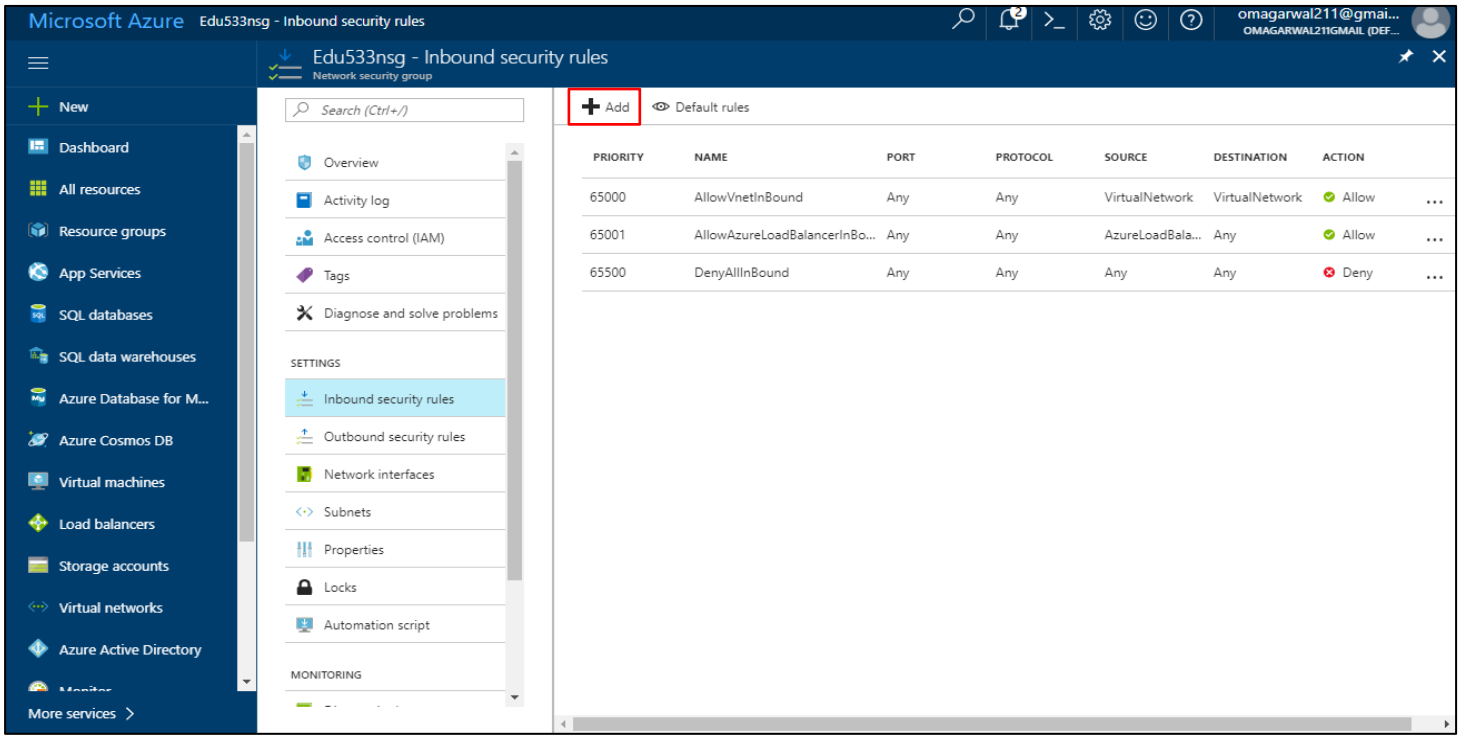

Step 4: In the +Associate blade, Select Virtual Network in which the Subnet is present > Click on desired **Subnet** > **OK**:



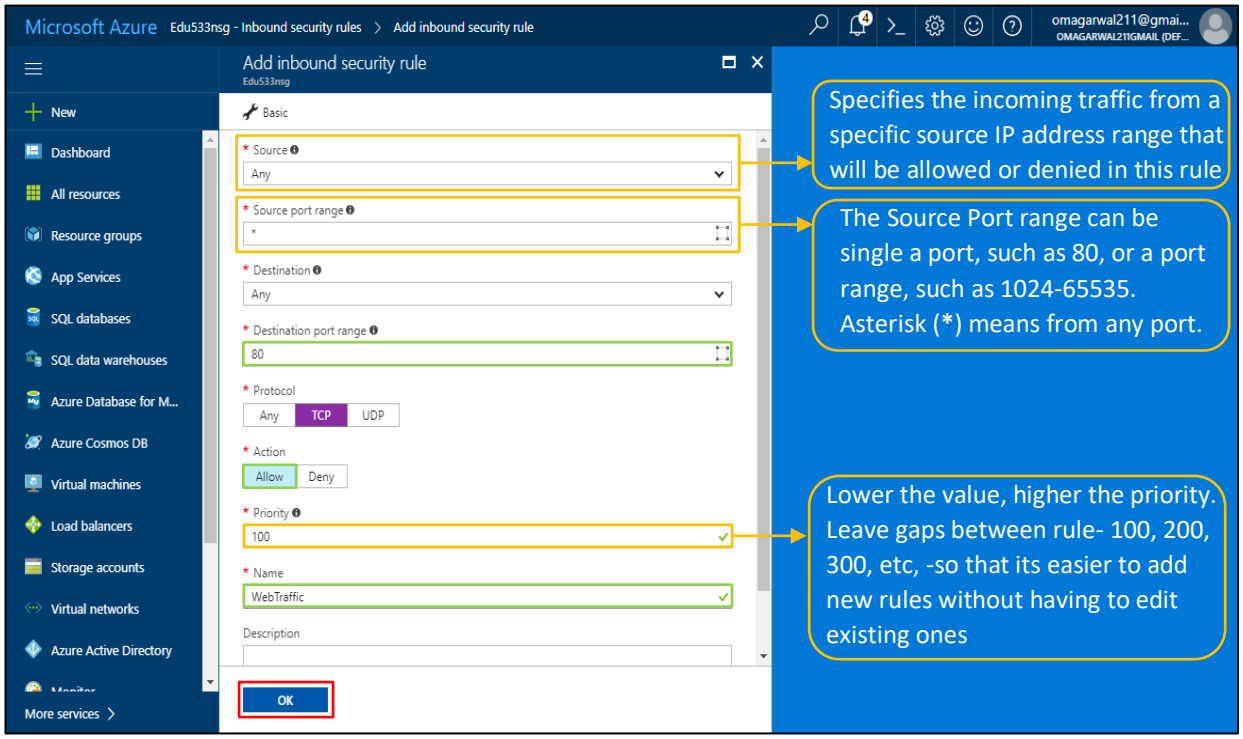
Step 5: Once you associate the Subnet, Click on the **Inbound Rules** in the menu to configure them:




Step 6: To create an Inbound Security rule specifically for the HTTP traffic, Click on **+Add** in Inbound Security rules blade:



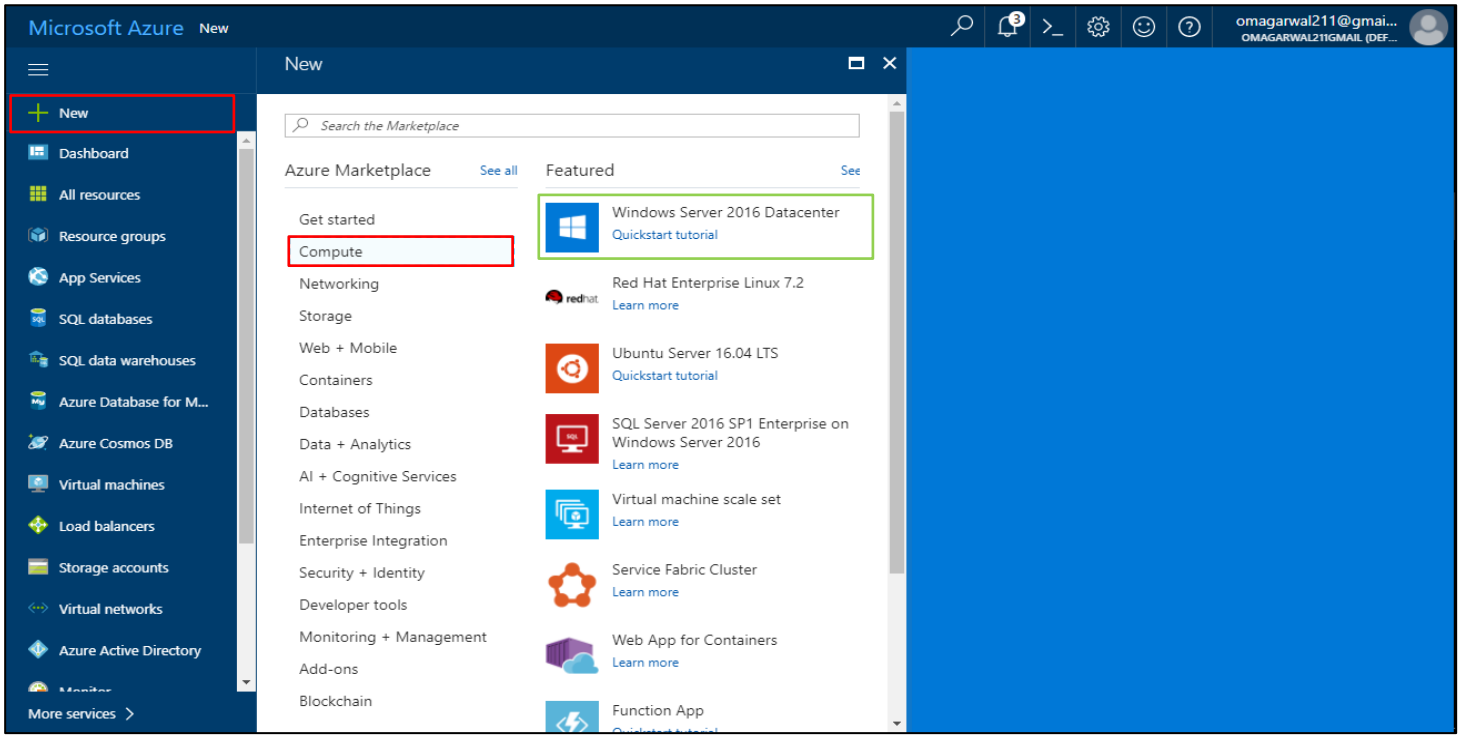
Step 7: Once you click **+Add**, configure the rule as shown below:



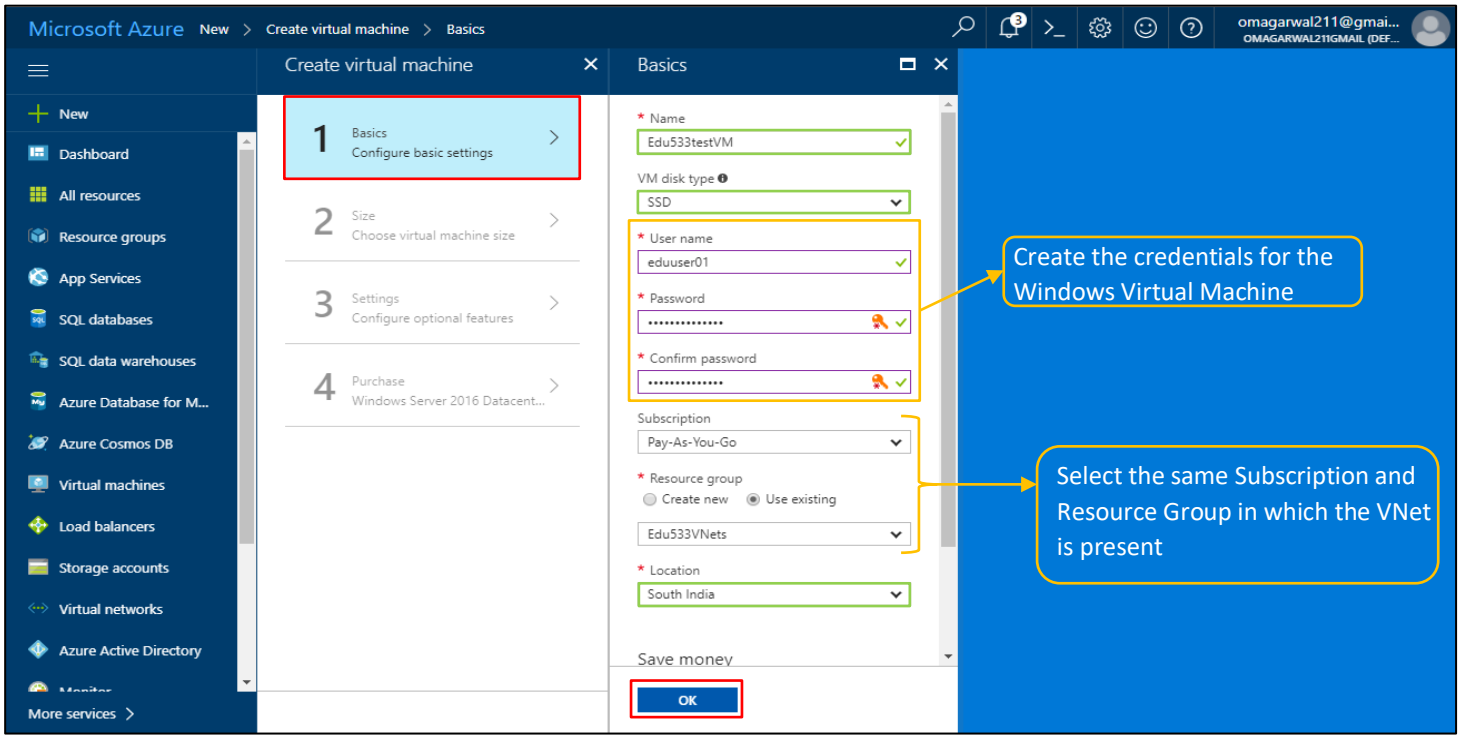

**Similarly, you can associate both the inbound/out bound rules to the Backend APIs too**

## 5. Onboard a VM to the configured VNet:

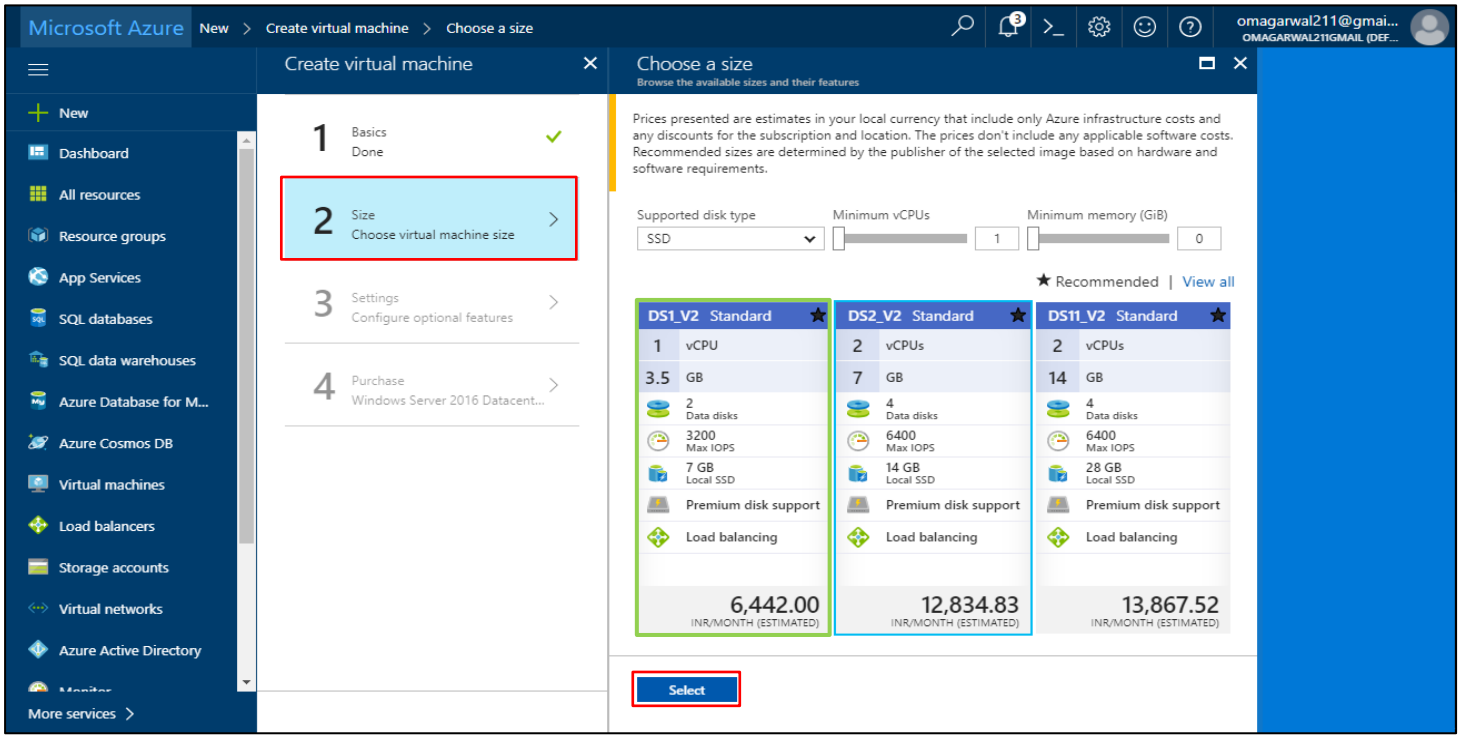
Step 1: In the Portal, Goto: +New > Compute > Click on **Windows Server 2016 Datacenter** :



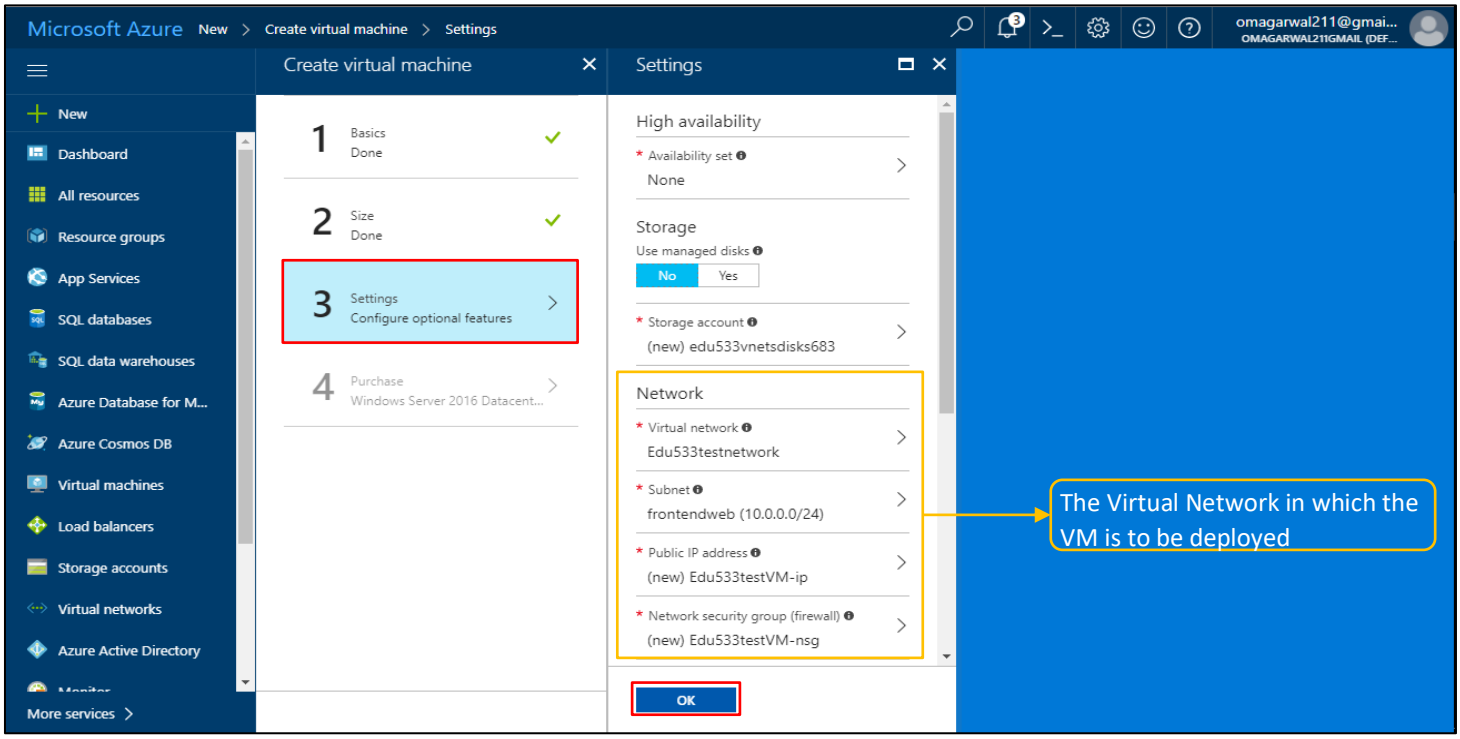

Step 2: Once you click on the Windows VM, fill up the details in the prompted window as shown below and Click **OK**:



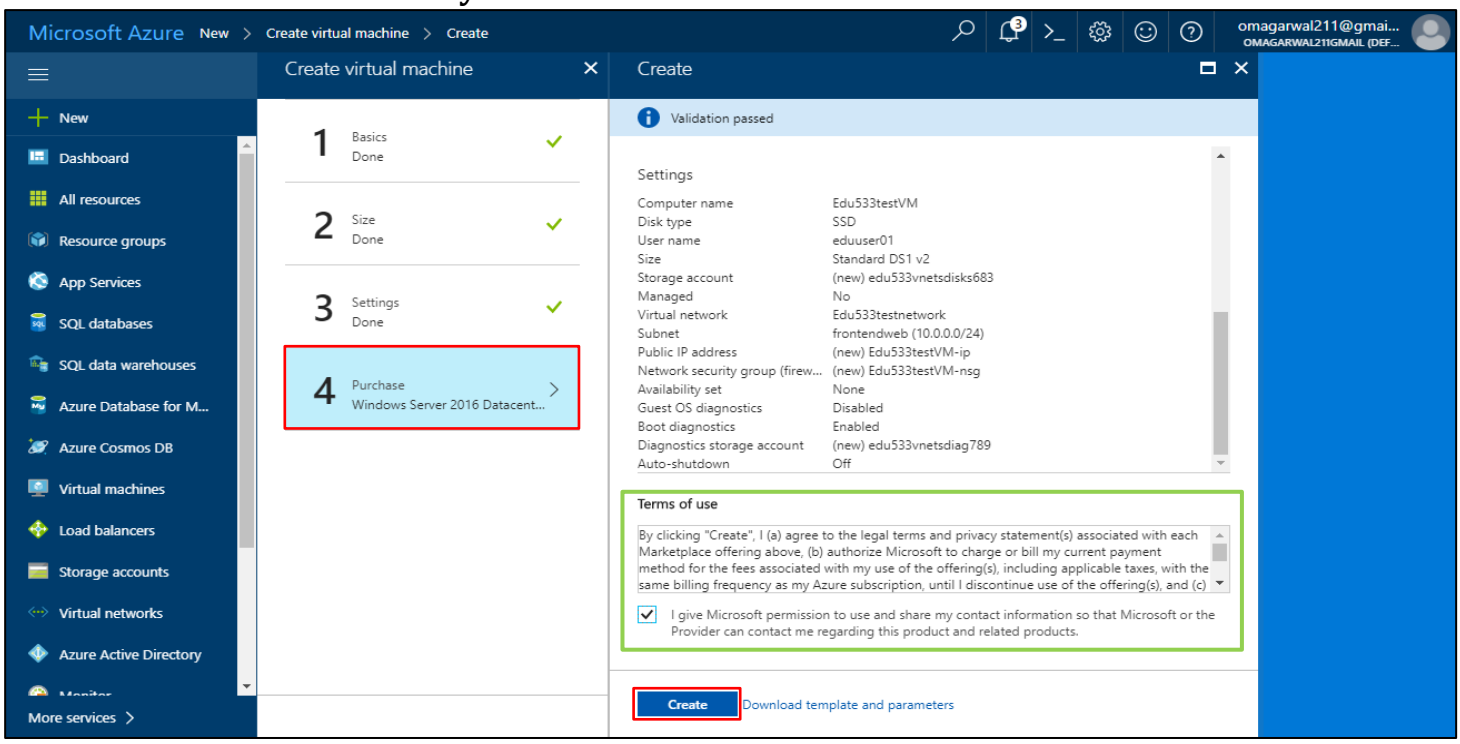
Step 3: Once you click OK, you will move on to the next blade where you **Select** your desired **VM disk size**:



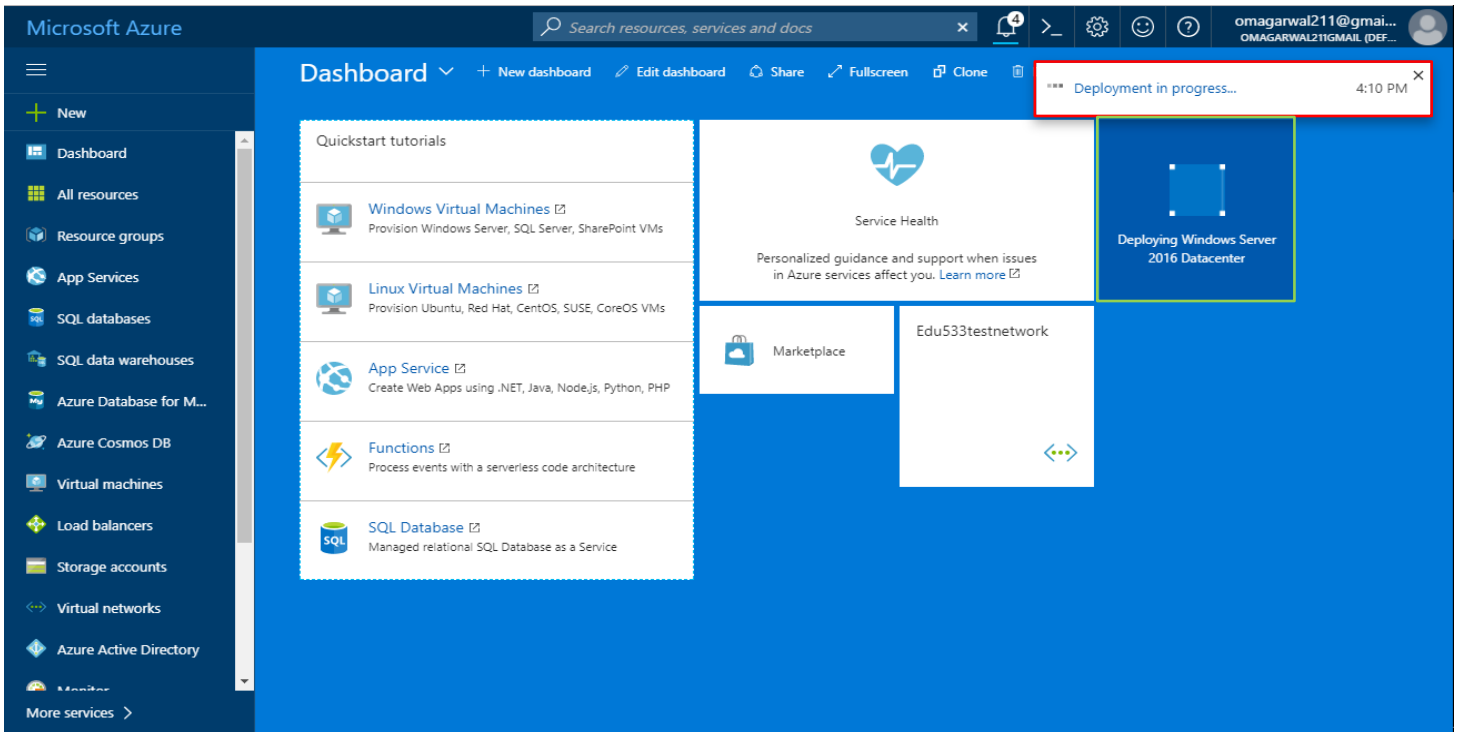

Step 4: Once you select VM disk, in the Setting blade, all the settings are selected automatically > Just Click **OK**:



Step 5: After setting up the VM deployment, finalize the procedure in the **Purchase Summary** blade and Click **Create**:




Step 6: Once you click Create, you will be redirected to the Home page, where you can check the deployment status:



Step 7: Once deployed successfully, you can monitor the VM in the below shown window: