# **Create Application Gateway**

### Go to Application Gateway in Azure Portal $\rightarrow$ Click Create

#### **Basics Tab:**

Name: app-gateway

Region: Same as Hub

Tier: Standard v2 (for path-based routing/SSL)

SKU Size: Choose based on load

#### **Frontend IP Configuration:**

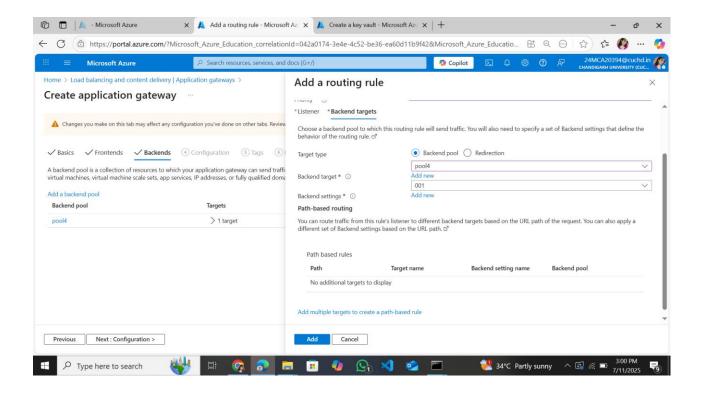
Public IP (create new or use existing)

Optional: Add **Private IP** for internal traffic

#### **Backend Pools:**

Add backend VMs/Web Apps in WebSubnet

Use their IP addresses or FQDN



#### **Routing Rules:**

#### Create **HTTP Listener**

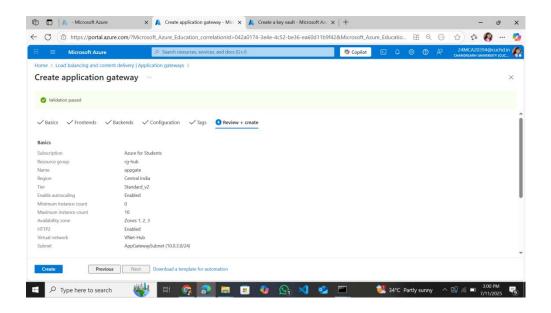
Add **Rules** to forward based on path (e.g., /api, /web)

**Health Probes**: Configure for your backend services (HTTP/S)

**Enable SSL Offloading** (Optional):

Upload certificate if HTTPS listener is used

**Review** + **Create** the Application Gateway



## THEN AFTER

Step-by-Step: Create Site-to-Site VPN Connection in Azure

#### Go to the Virtual Network Gateway

- 1. In the Azure portal, search for "Virtual network gateway"
- 2. Select your gateway: vnet-gateway-hub

#### **Create VPN Connection**

In the left menu, click Connections > + Add

#### Fill in the fields:

Name: conn-hub-to-onprem

Connection type: Site-to-site (IPsec)

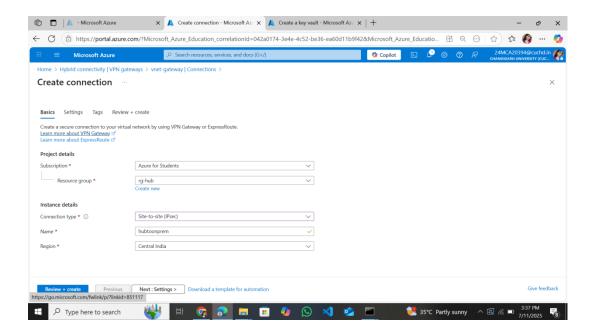
Virtual network gateway: Auto-selected (vnet-gateway-hub)

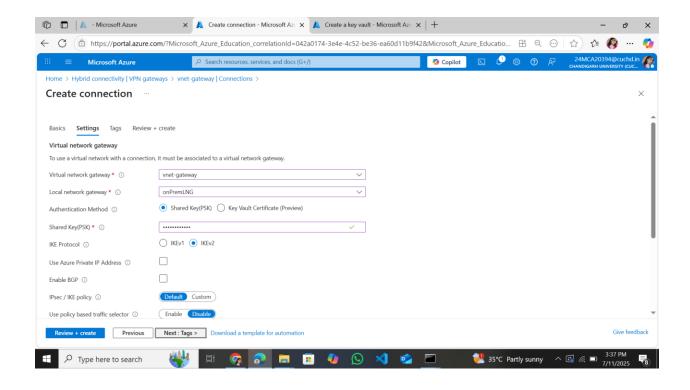
Local network gateway: Choose Ing-onprem (created earlier)

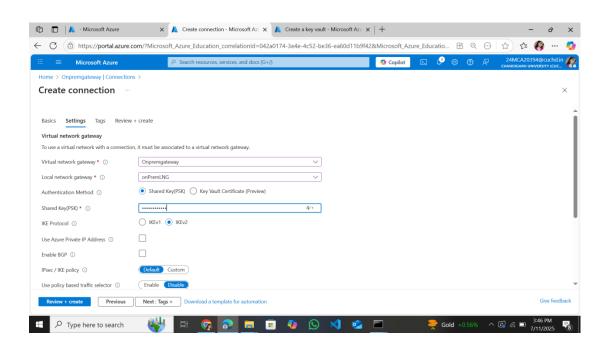
**Shared key (PSK)**: Enter a strong password (same on both ends)

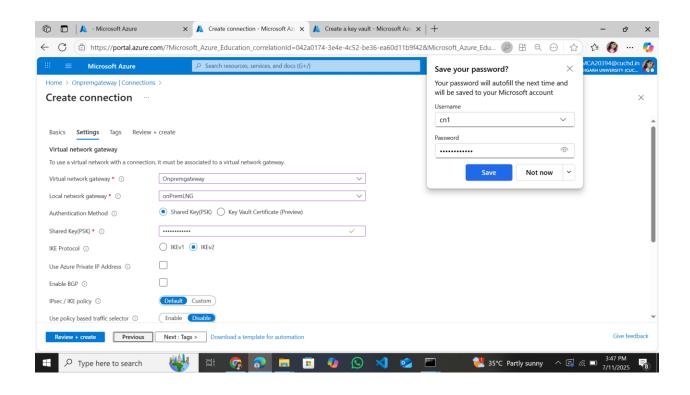
**IKE Protocol**: IKEv2 (recommended)

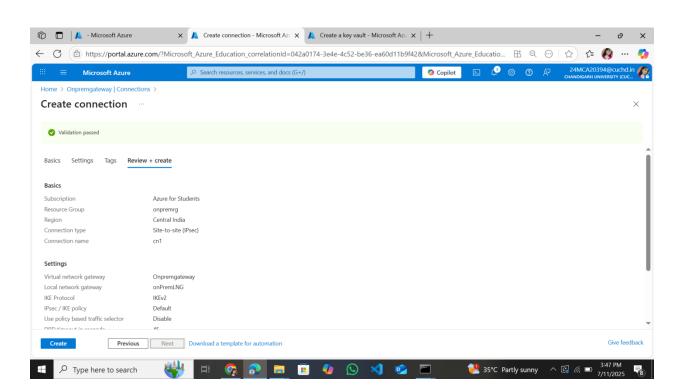
Click OK / Create



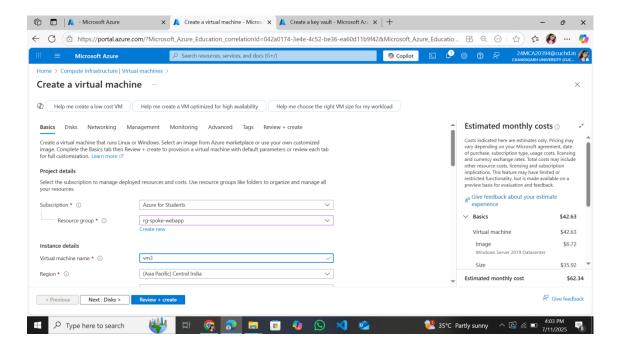


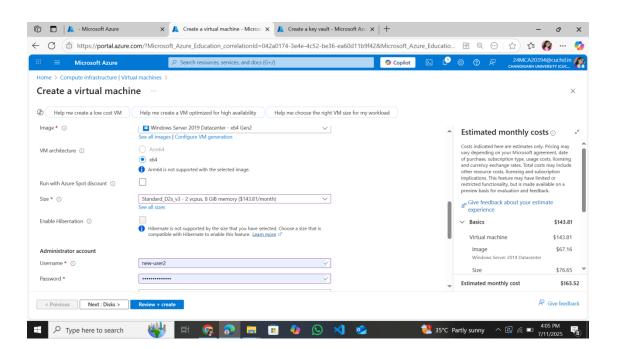


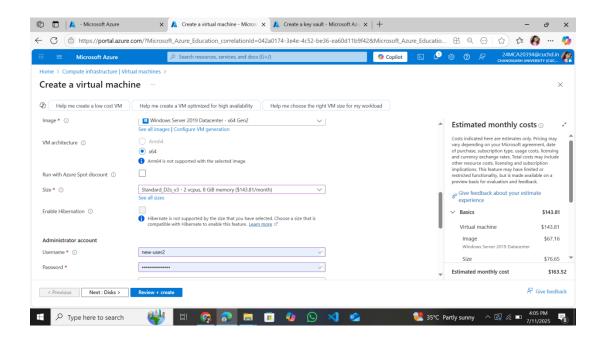


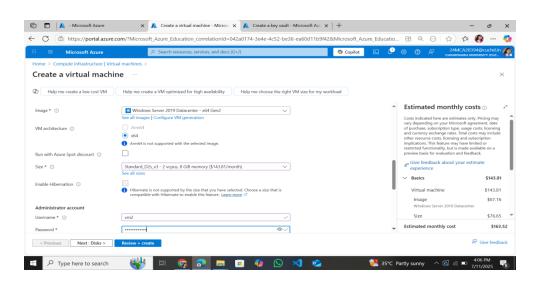


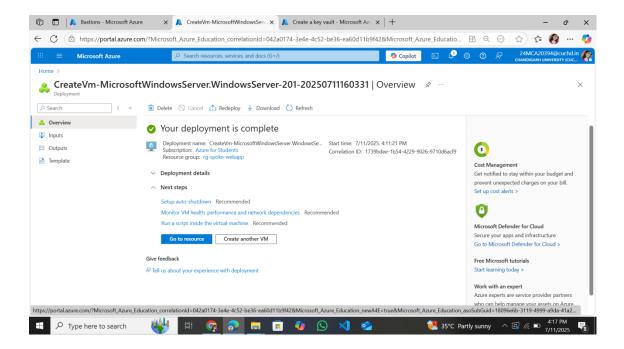
#### Create a Virtual Machine in Azure







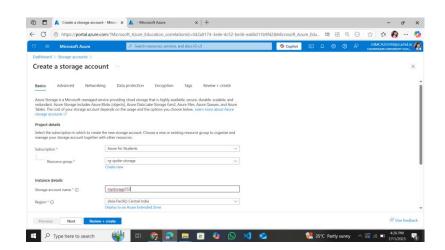




## **Create Storage Account with No Public Access**

#### **Go to Storage Accounts**

- 1. In Azure Portal, search for "Storage accounts"
- 2. Click + Create



### **Basics Tab**

Field Value

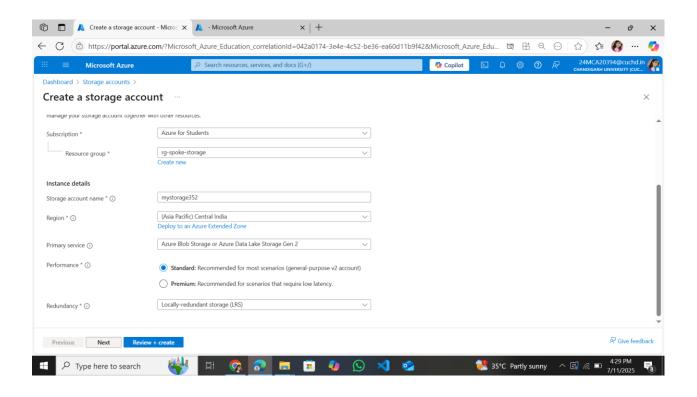
Subscription Azure for Students

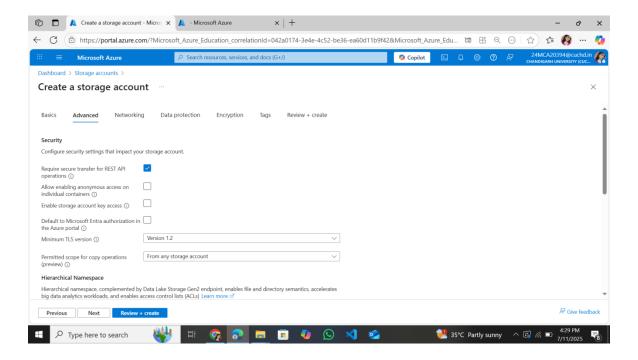
Resource Group rg-spoke-storage

Storage account name storagespokedata (must be globally unique)

Region Central India
Performance Standard

Redundancy LRS (Locally-redundant storage)





## **Advanced Tab**

**Option** 

Public access

Secure transfer required

Access tier

Click Next: Networking

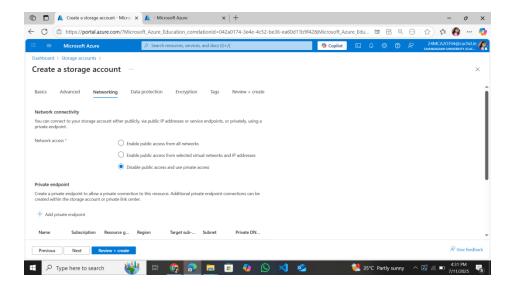
Value

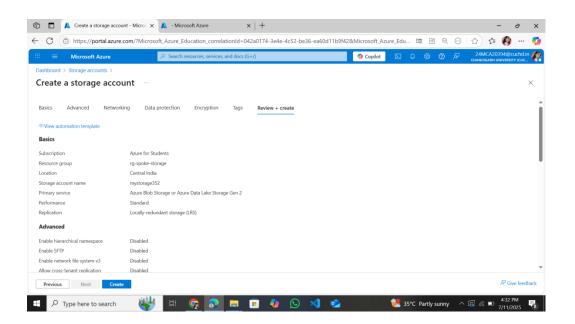
Disabled  $\checkmark$ 

Enabled 

✓

Hot (default)





## **Networking Tab**

**Field** 

Connectivity method

Routing preference

TLS version

Value

Private endpoint only ewline 
otag

Microsoft network routing

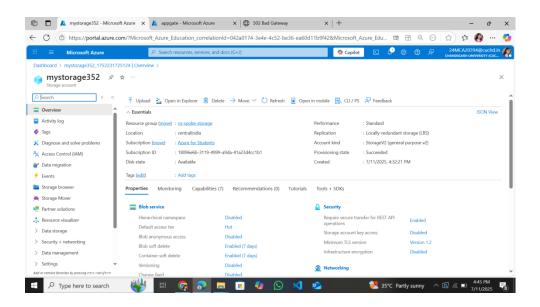
1.2 or above

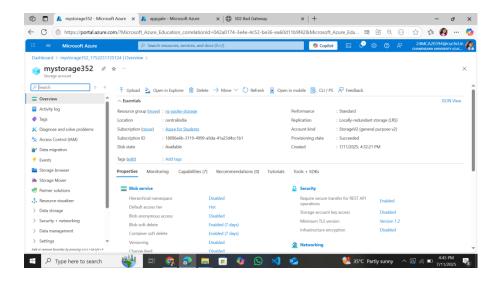
### **Review + Create**

Click Review + Create

Azure will validate the settings

Click Create





### **FINAL RESULT**

