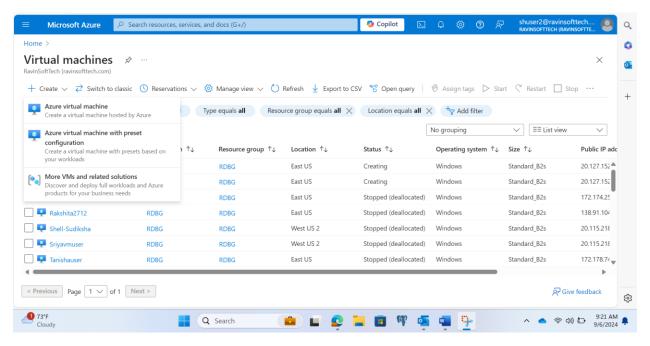
# **CASE STUDY**

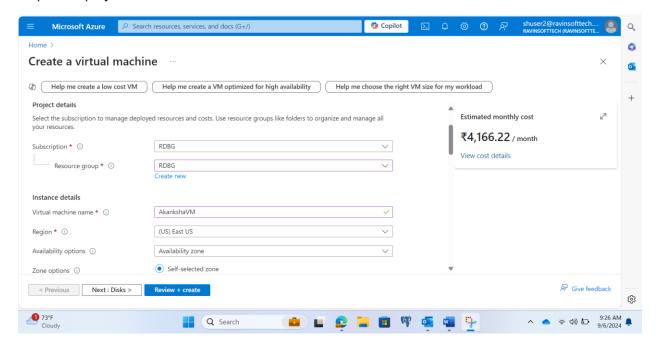
# **VM CREATION AND GitHub Actions Implementation**

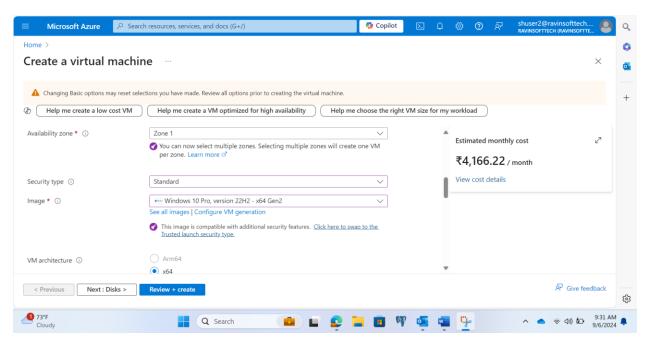
#### **Creation of Azure VM**

Step 1: Login to azure and click on create Azure VM

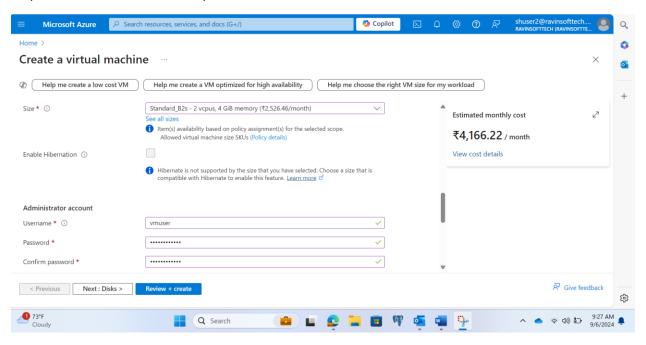


Step 2: Set project details as shown below

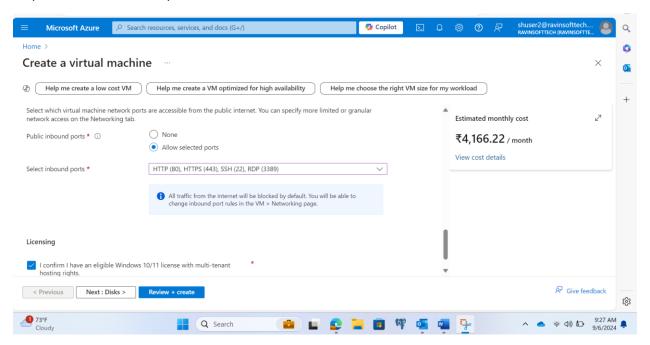




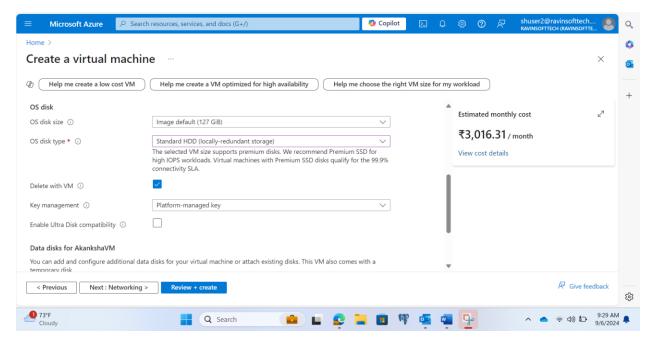
Step 3: Enter the username and password for the VM



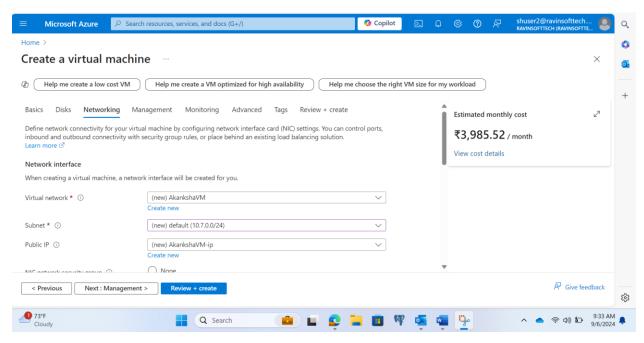
#### Step 4: Select all inbound ports



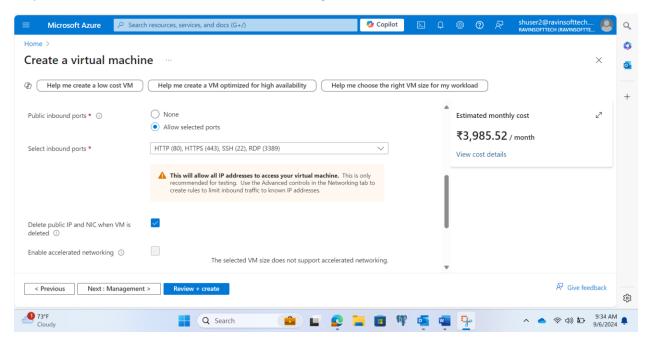
Step 5: Go to Next:Disks and configure OS disk type as shown below



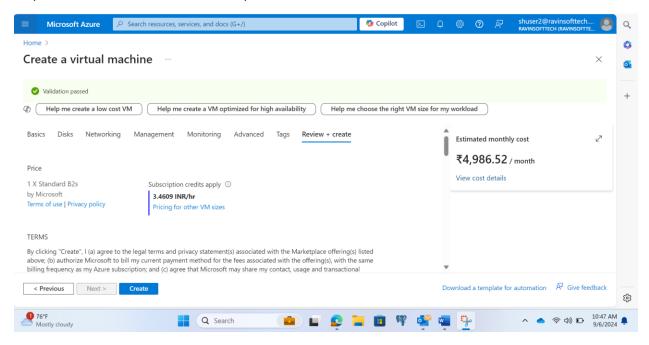
# Step 6: Click on Next: Networking and configure as shown below



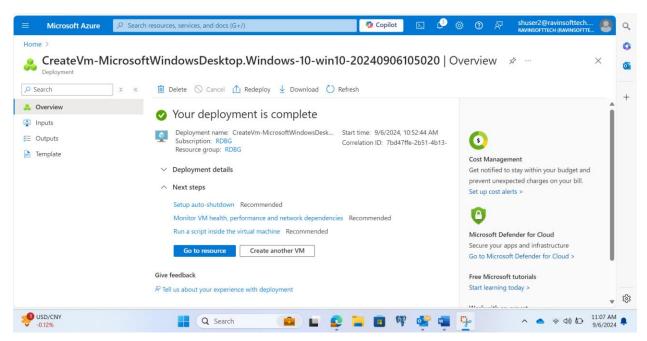
# Step 7: Click on Review+Create to Validate the configuration.



#### Step 8: Click on Create after validation passes.

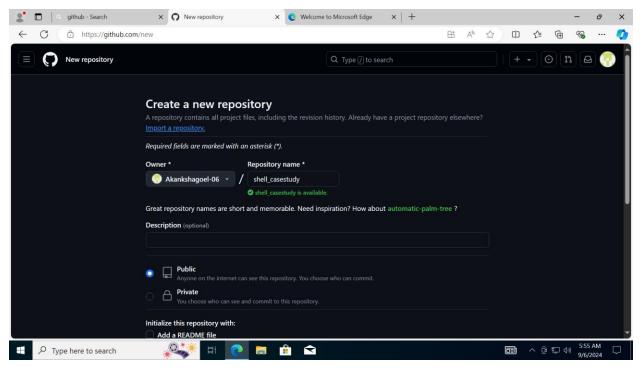


Step 9: VM is deployed successfully.

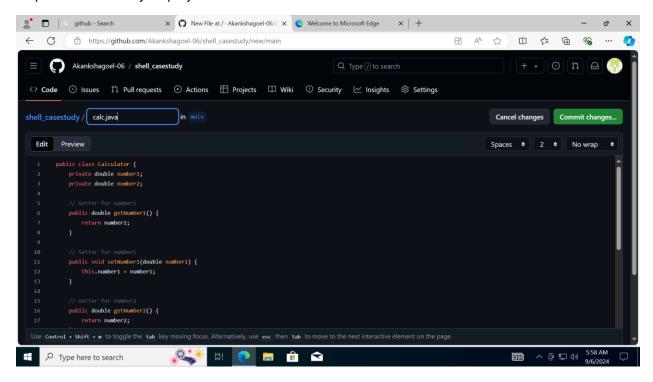


#### Implementation of Pipeline on GitHub.

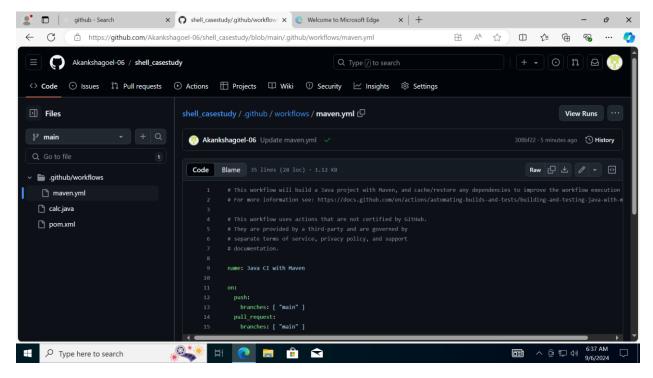
Step 1: Create a new repository.



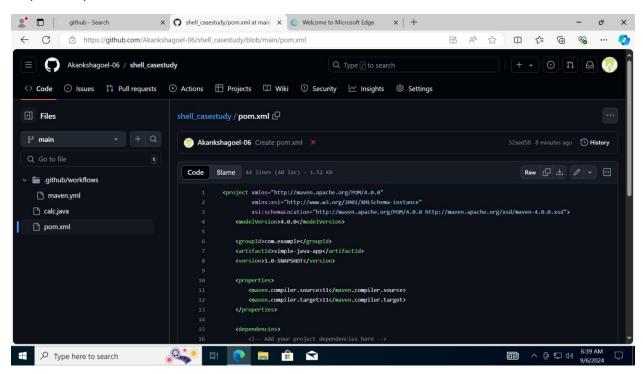
Step 2: Add code for java project



# Step 3: Create Maven.yml using GitHub actions workflows.



#### Step 4: Add pom.xml file



# Step 5: System.out.println("Answers:"); is added and java file is updated, the build is automatically deployed in the workflow

