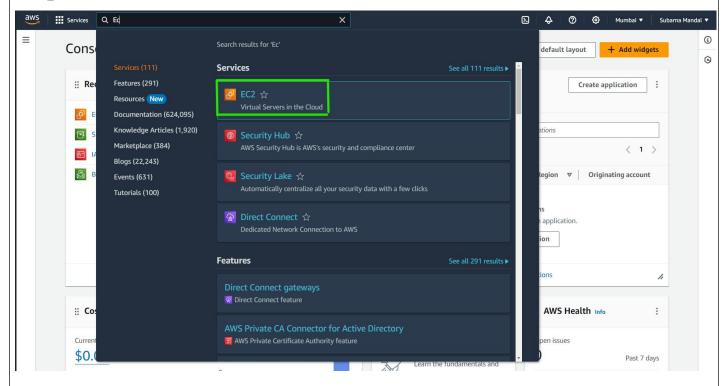
## **Assignment:-10**

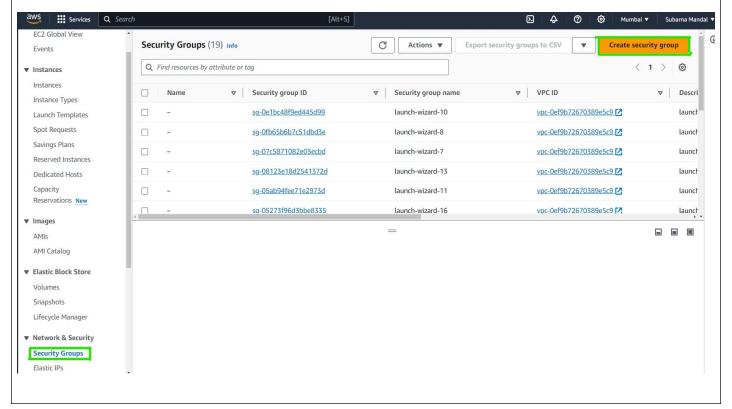
## **Problem Statement:-**

Deploy a project from **GitHub** to **EC2** by creating **new Security Group** and user data.

**Step 1:-** Login to the **AWS console**, and search for **EC2**. Open the first EC2 link.



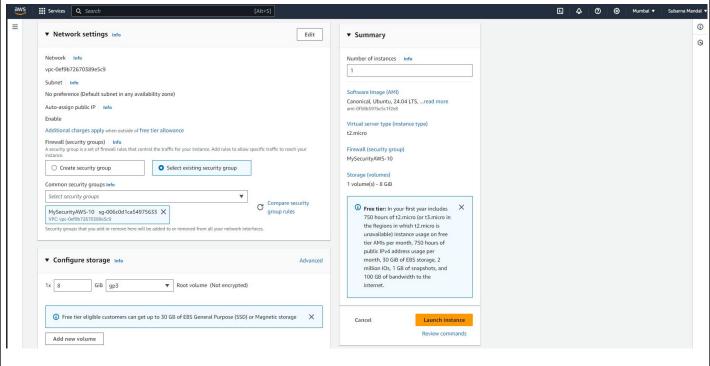
Step 2:- Go to "Security Groups". Then click on "Create Security group" to create custom security group.



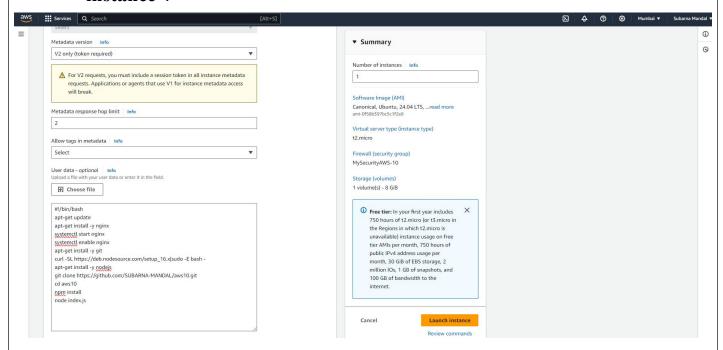
**Step 3:** Now provide security group name ,description and Set Inbound rules types **HTTP**, **HTTPS**, **SSH** and **Custom TCP** Port Range **4000**. Click on the "Create security group".

		[Alt+S]			· · · · · · · · · · · · · · · · · · ·	₽ 4	0	0 1	Mumbai ▼	
Basic details										
Security group name Info										
MySecurityAWS-10										
Name cannot be edited after creation.										
Description Info										
For AWS-10										
/PC Info										
vpc-0ef9b72670389e5c9		•								
vpc-0e13072070363e3C3		*								
Inbound rules Info										
Type Info	Protocol Info	Port range Info	Source Info		Description - optional Info					
Custom TCP ▼	TCP	4000	Anywhere ▼	Q					Delete	
	TCF	4000	Allywhere ¥						retete	
				0.0.0.0/0 ×						
HTTP ▼	TCP	80	Anywhere ▼	Q					Delete	
			,	0.0.0.0/0 ×						
				0.0.0.0/0 X						
HTTPS ▼	TCP	443	Anywhere ▼	Q					Delete	
				0.0.0.0/0 🗙						
SSH ▼	TCP	22	Anywhere ▼	Q					Delete	
				0.0.0.0/0 ×						
Add rule										
Rules with source of 0.0.0.0/0 or ::/0 al	law all ID addrages t	o accord your instance. We recommend	satting socurity group sules to	How accord from known ID adde	nergy only					×
Kutes with source of 0.0.0.0/0 of/o al	tow att ir addresses t	o access your instance, we recommend	security group rules to	now access from known in additi	esses only.					^

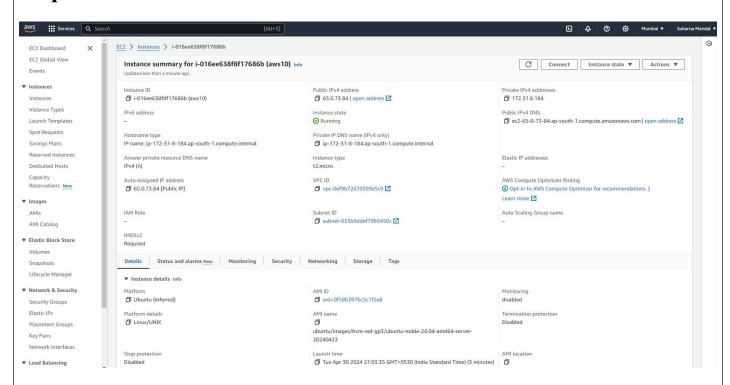
**Step 4:-** Create EC2 ubuntu instance. In **network settings**, select existing security group and choose the group created.



Step 5: In advanced details, enter user data in the blank space and click "Launch instance".



**Step 6:-** Created instance shown below.



**Step 7:** Now **copy** the public **IPv4** address with custom port number **4000** and run it in any **web browser**.

