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School of Computer Science, Engineering and Applications(SCSEA)
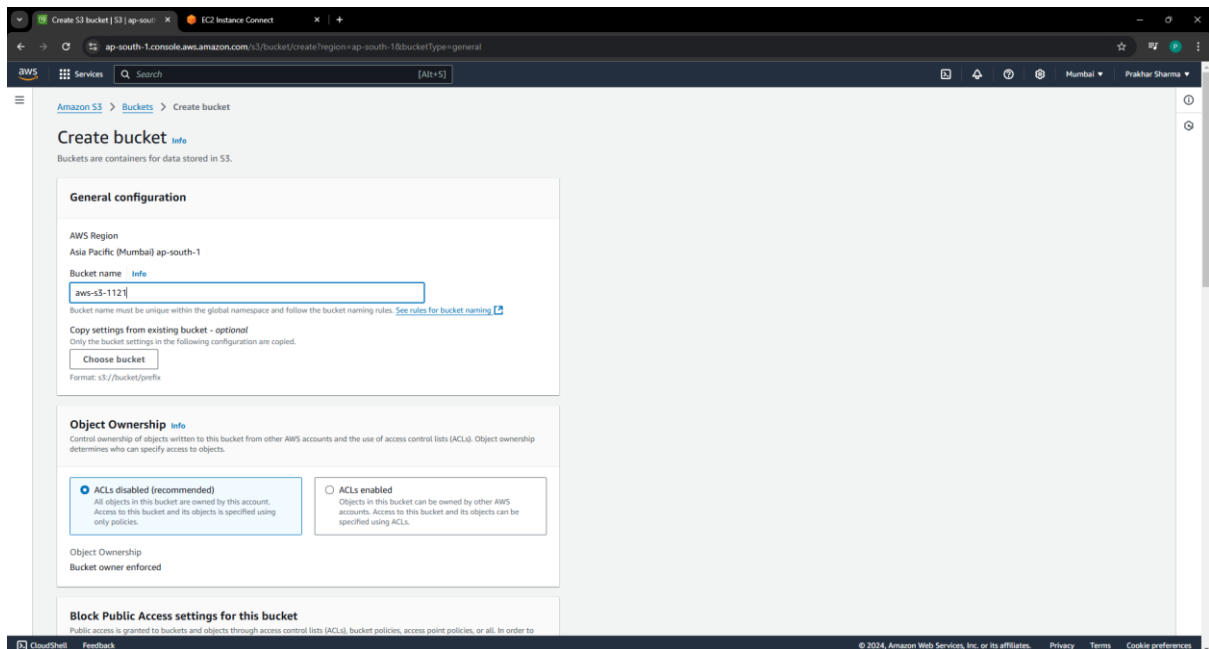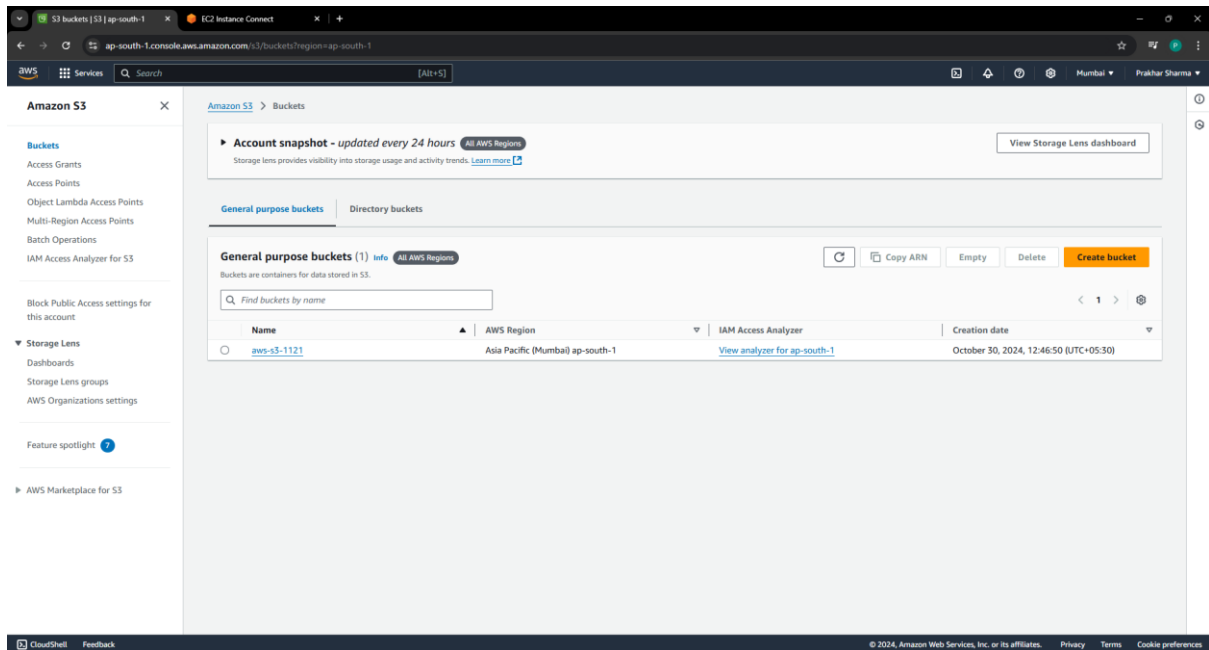## B.C.A. TY (CCSA)
Subject : Advanced Cloud Computing (P)

Name of the Student: **Prakhar Anil Sharma**   **PRN: 20220801121**

Title of Practical :   **Access S3 bucket through EC2 using IAM role**

Step 1: Create an S3 Bucket

1. Go to the Amazon S3 service in the AWS Console.

2. Click on Create bucket.

3. Enter a name for your bucket.

4. Click Create bucket to complete the setup.

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Step 2: Create an IAM Role with S3 Access

1. Navigate to the IAM service in the AWS Console.

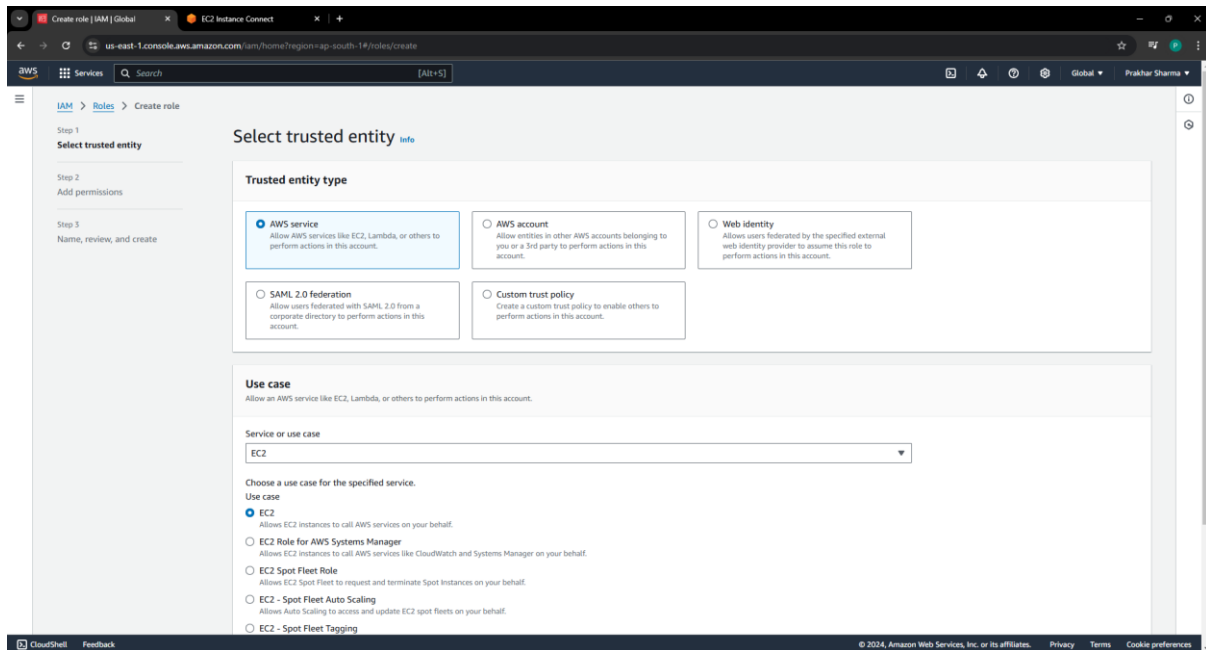 2. In the left-hand panel, under Access Management, click Create Role.

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3. Click Next.

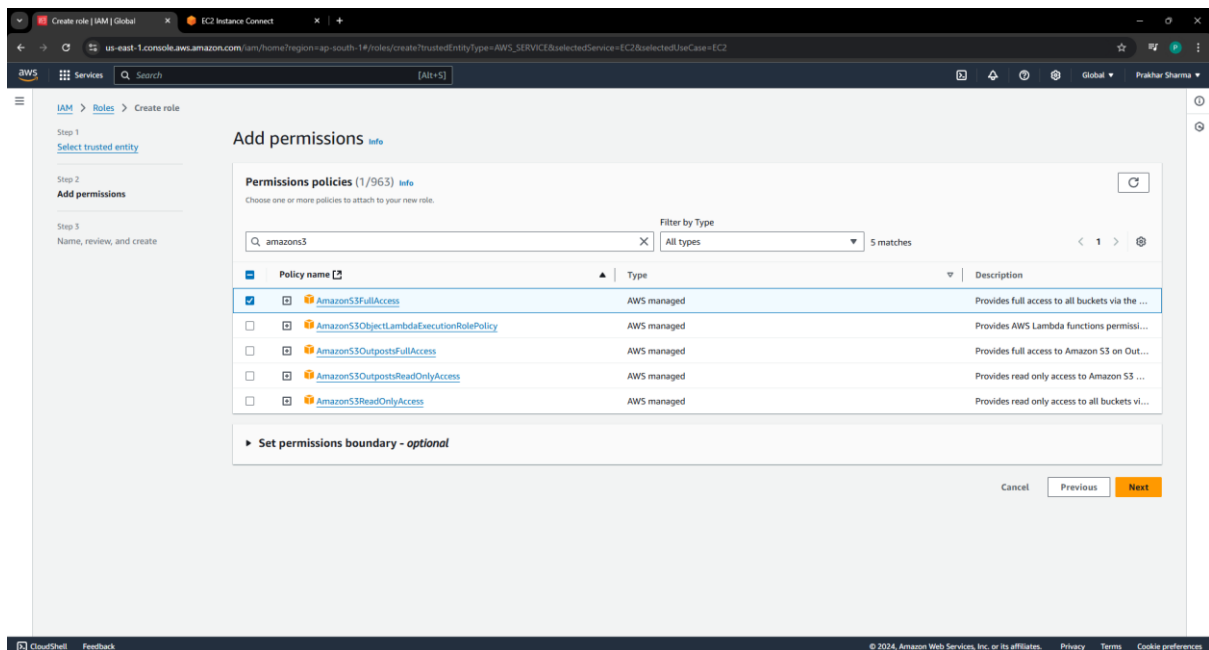4. In the Permission policies section, search for AmazonS3FullAccess and select it.

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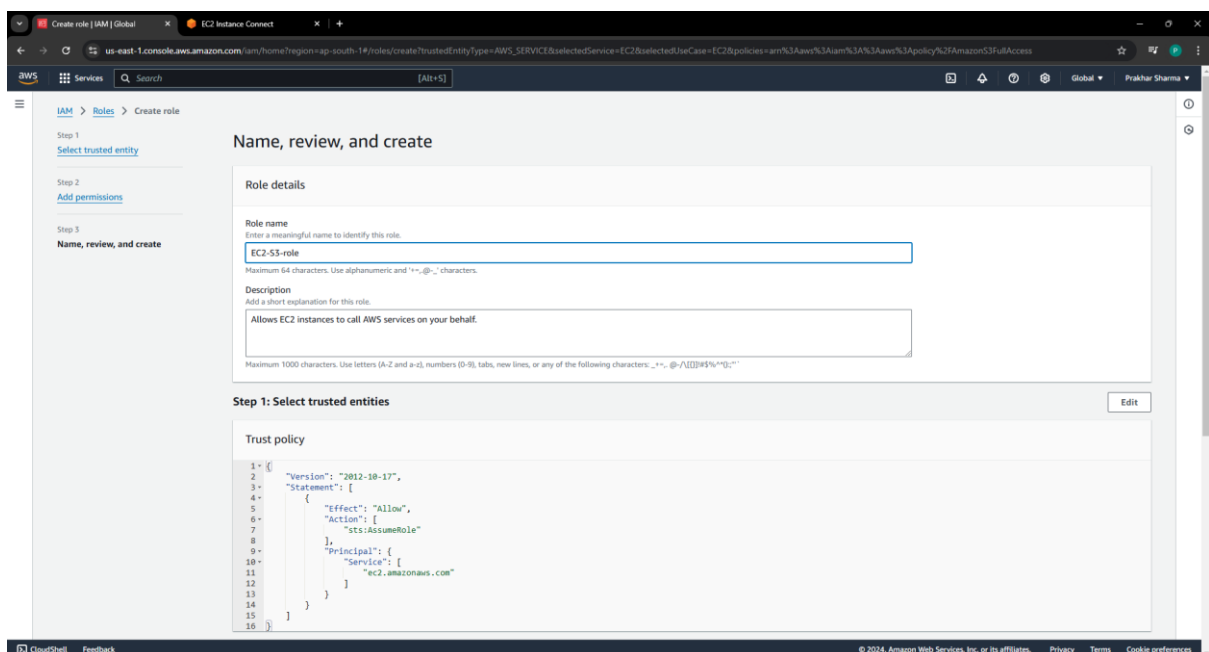## B.C.A. TY (CCSA)
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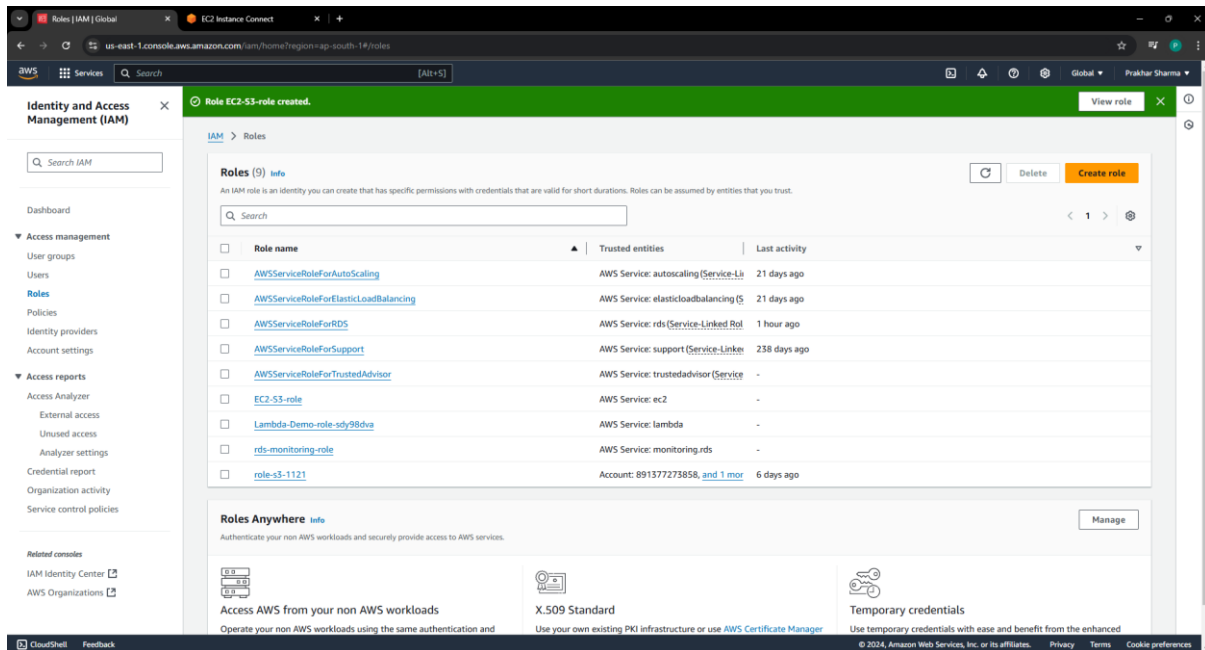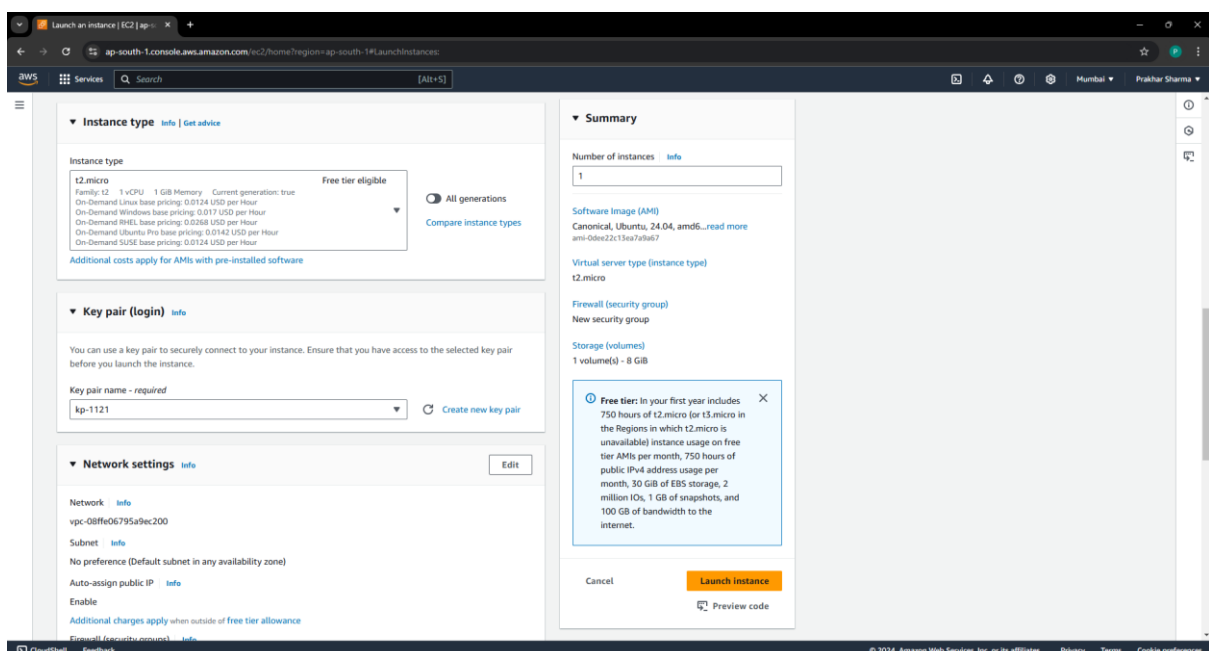

5. Click Next and then Give a name to Role & create it.

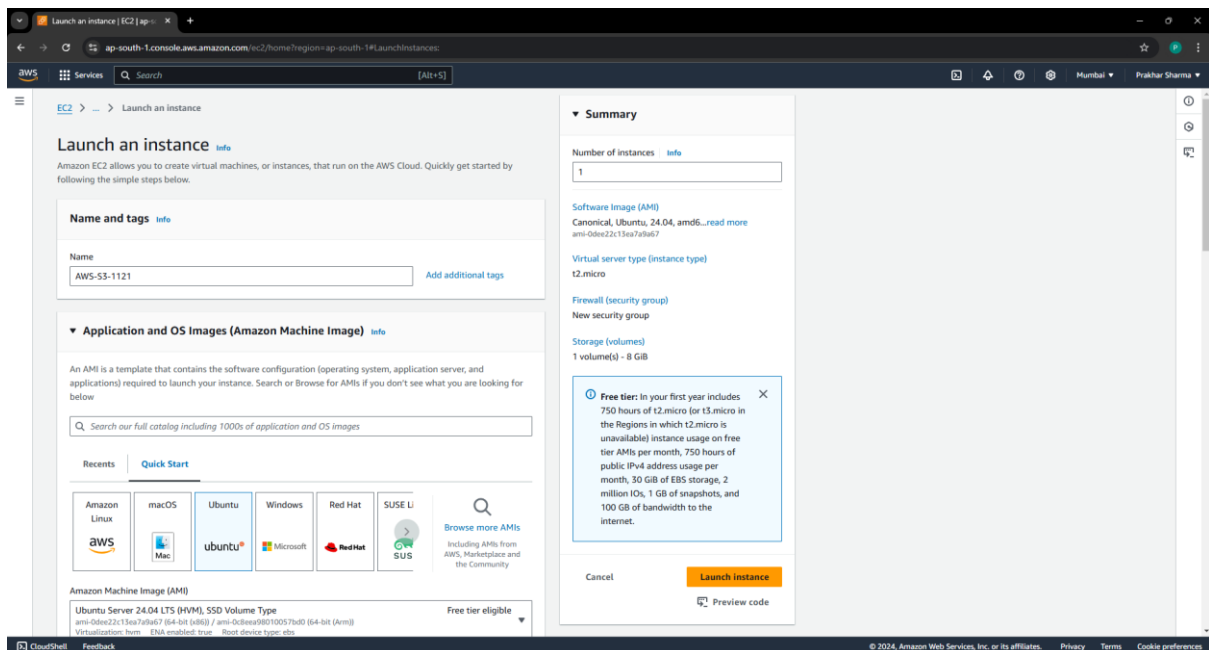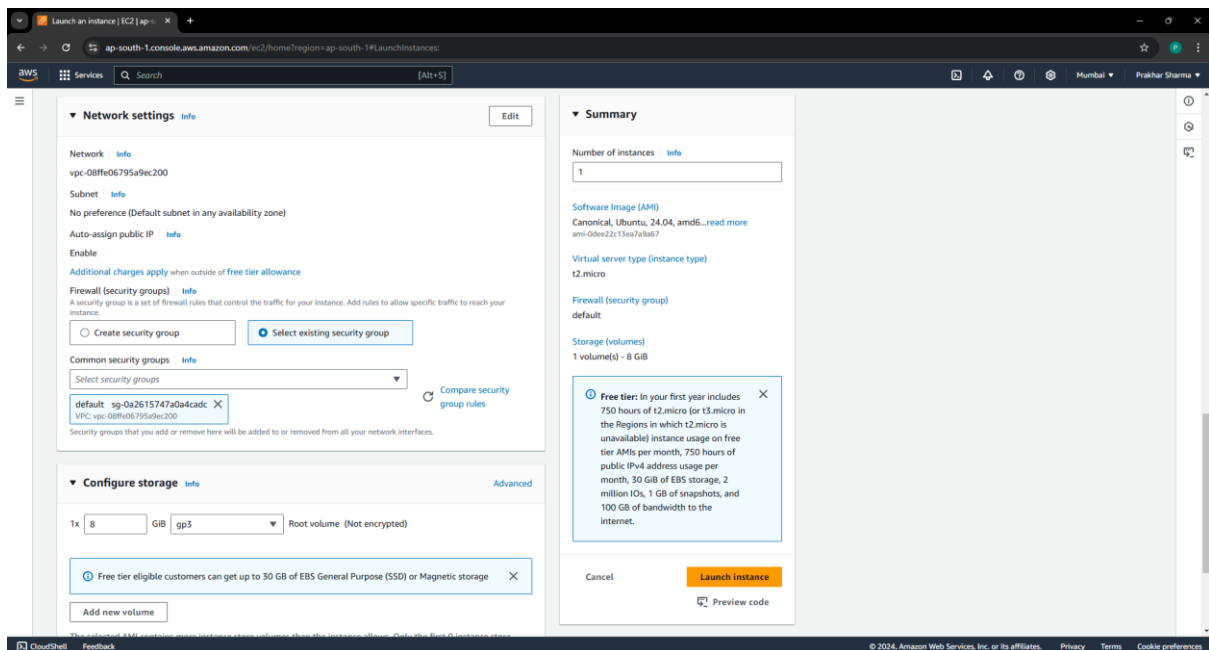# School of Computer Science, Engineering and Applications(SCSEA)
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Step 3 :- Create an ec2 Instance with following configuration:-

 - Name of Instance :- AWS-S3-1077

 - AMI Image :- Ubuntu

- Instance type :- t2.micro

 - Key Pair :- Create new key pair or select existing

- Network Setting :- Create security group or Select existing security group

- Launch the Instance

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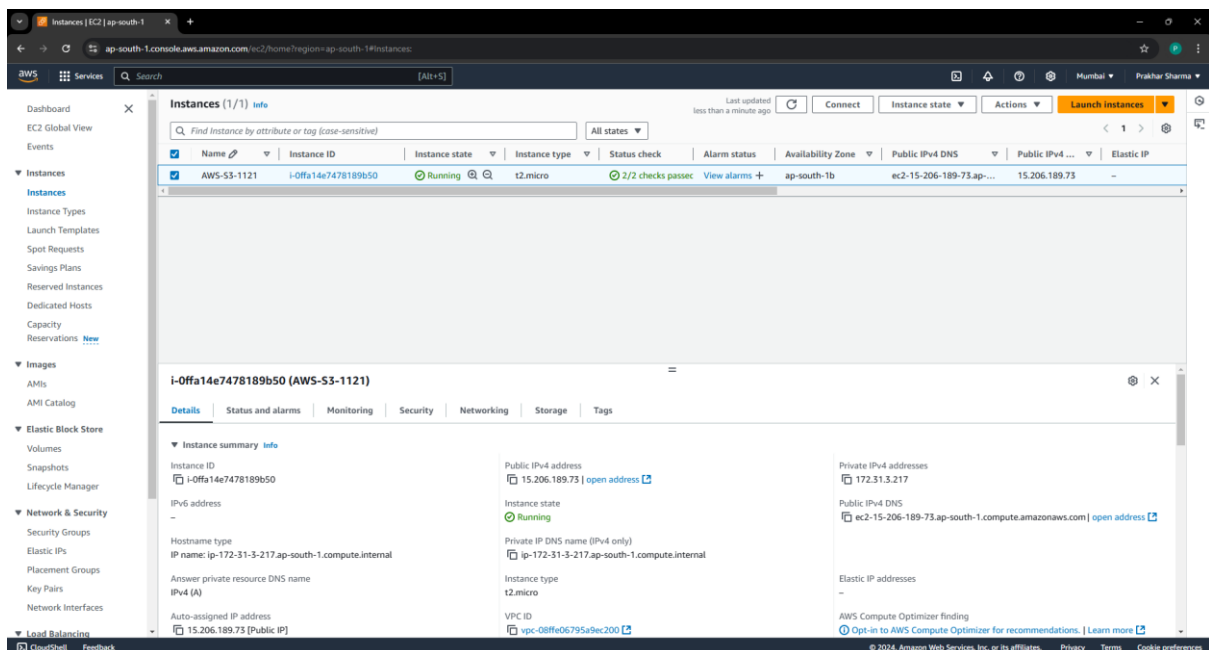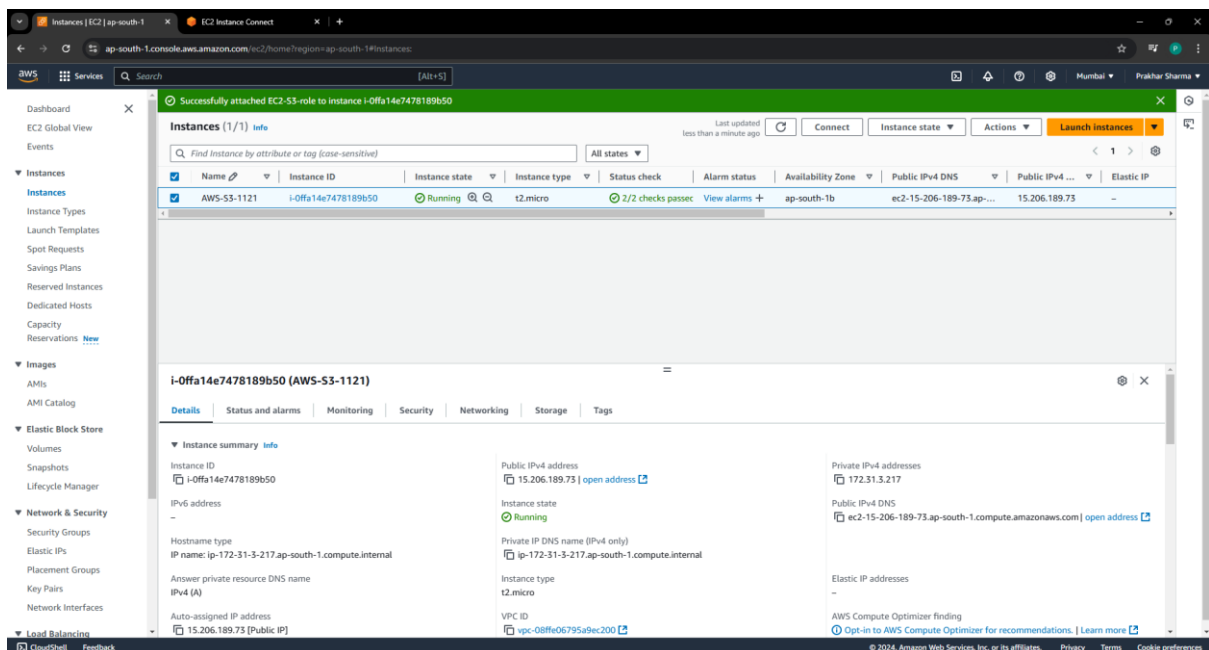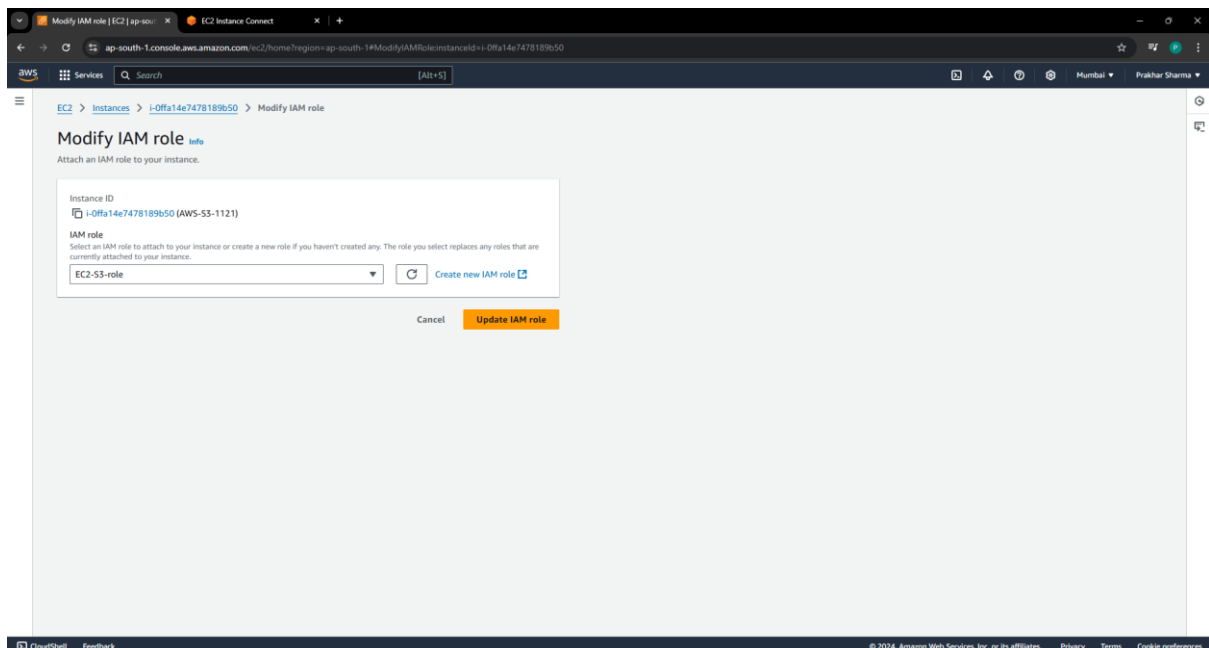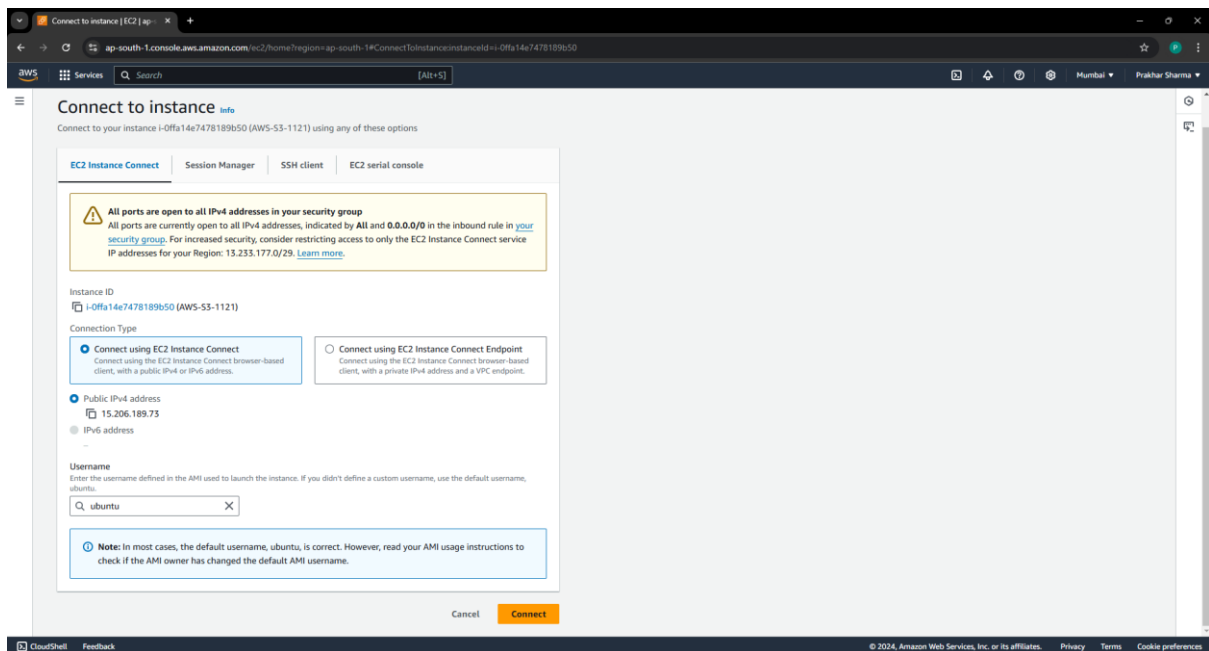## B.C.A. TY (CCSA)
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1. Select the Instance & Click on Actions then choose Security & Click on Modify IAM Role

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2. Select the IAM Role we just created

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Step-4: Connect the instance using ec2 instance connect.

Step 5: Access S3 Bucket Contents Using Ec2 Instance CLI

1. In the terminal ,Run the following commands to install the AWS CLI:

- sudo apt install unzip

- curl "https://awscli.amazonaws.com/awscli-exe-linux-x86_64.zip" -o -- "awscliv2.zip"

- unzip awscliv2.zip

- sudo ./aws/install

- aws –version

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2. In the terminal, use the following command to list all buckets:

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- aws s3 ls

This will display the buckets you currently have.

- we have successfully Access the S3 buckets from Ec2 using IAM Role.

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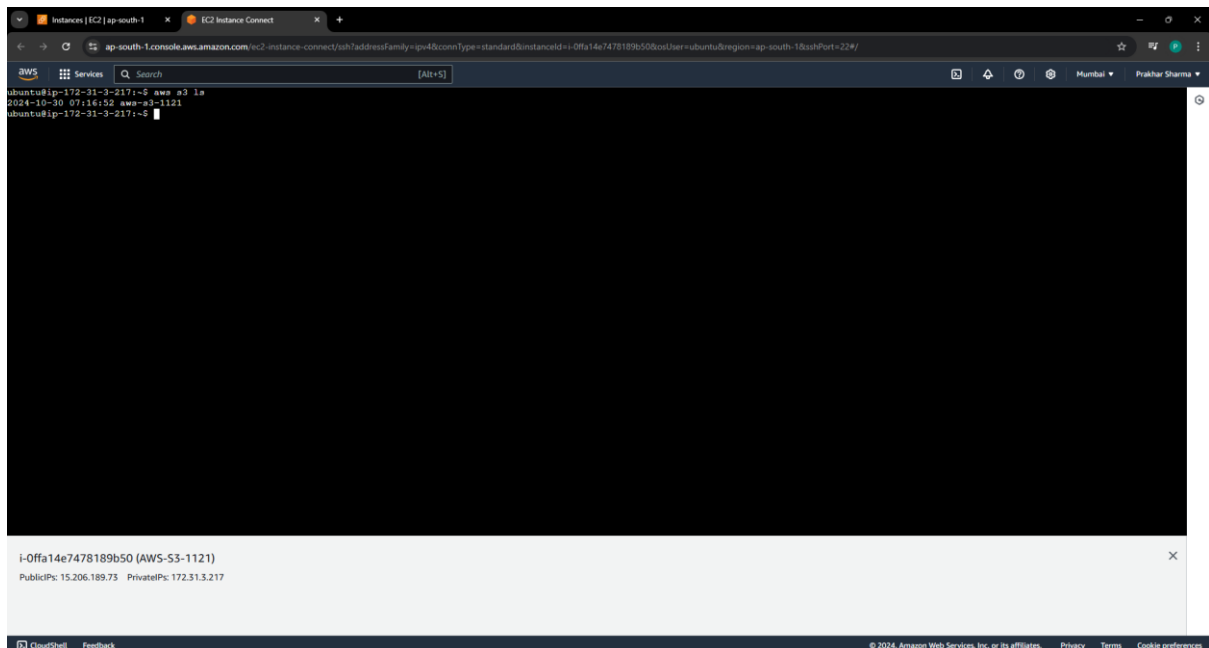## Subject : Advanced Cloud Computing (P)

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