

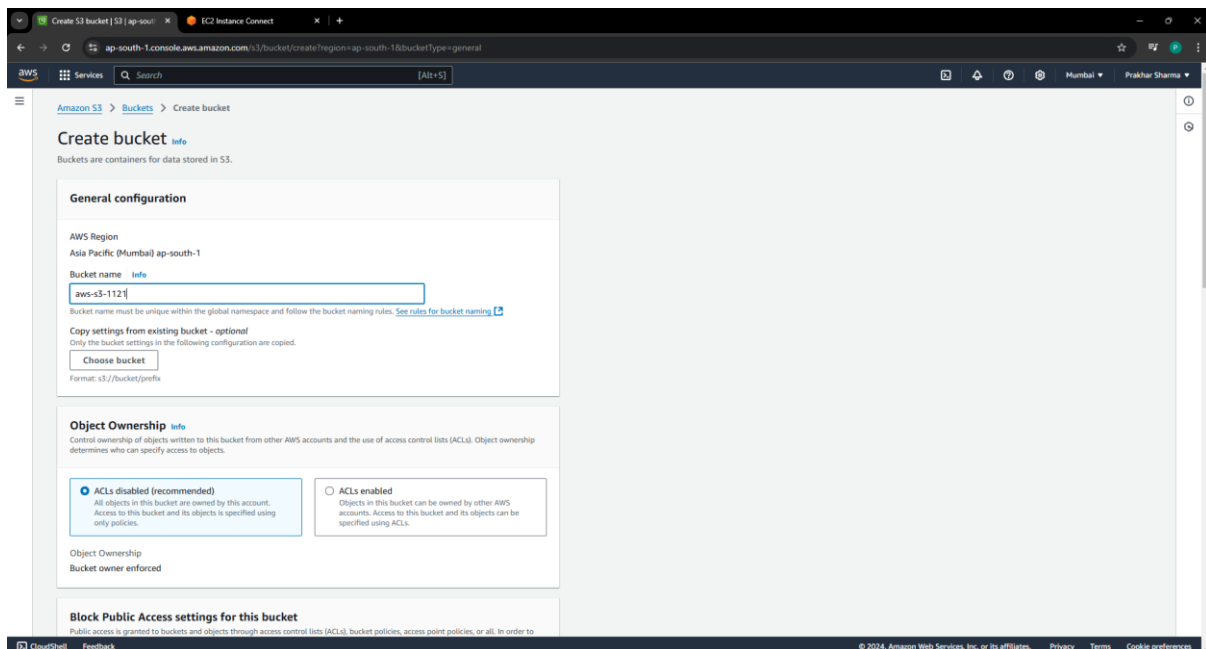
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**B.C.A. TY (CCSA)**  
**Subject : Advanced Cloud Computing (P)**

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

**PRN:**    **20220801121**

**Title of Practical :**         **IAM role Custom Policy to access S3**

1. Go to the S3 service in the AWS Console.
2. Click on Create bucket.
3. Enter a unique name for the bucket.



4. Click on Create bucket to finalize.
5. Once created, navigate to the bucket and copy the ARN of the S3 bucket. You'll need it in a later step.

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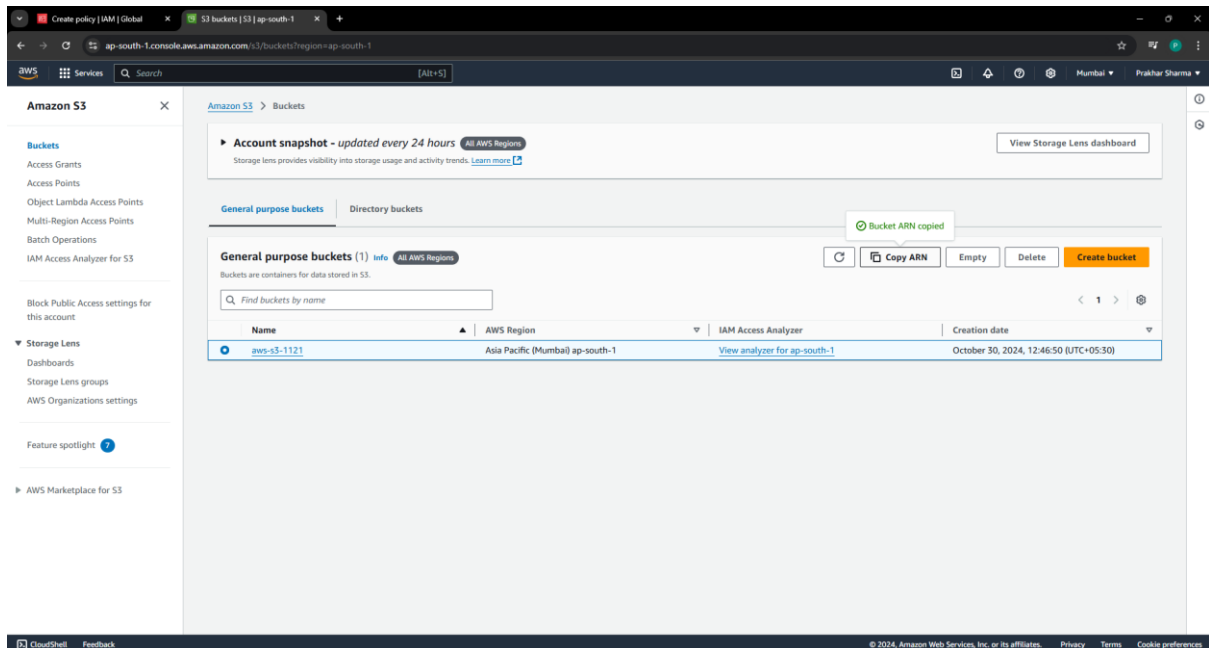
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**Step 2: Go to IAM Policies**

1. Navigate to the IAM service in the AWS Console.
2. Click on Policies in the left-hand menu.

**Step 3: Create a New Policy**

1. Click on Create policy.
2. In the policy creation interface, select Service as S3, since we are creating a policy for S3.
3. Under the List section, check List buckets.
4. Under the Read section, check the boxes for the necessary read permissions (e.g., GetObject).

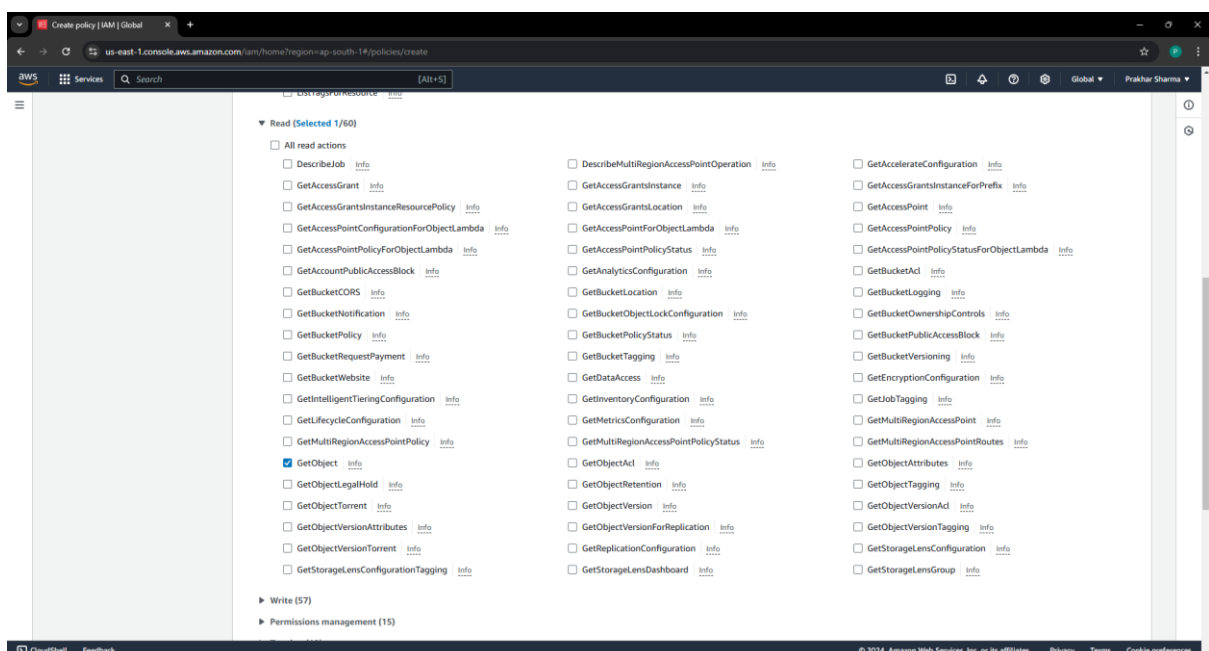
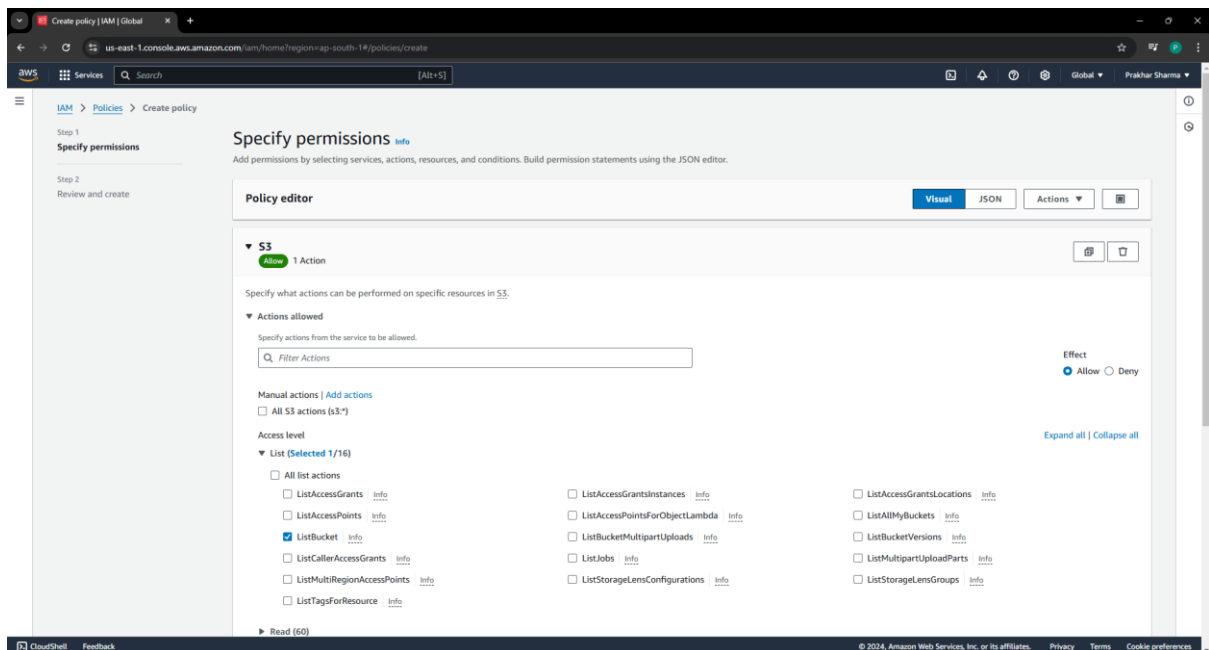
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5. Under the Resource section, click on Add ARN and specify the ARN of the bucket:

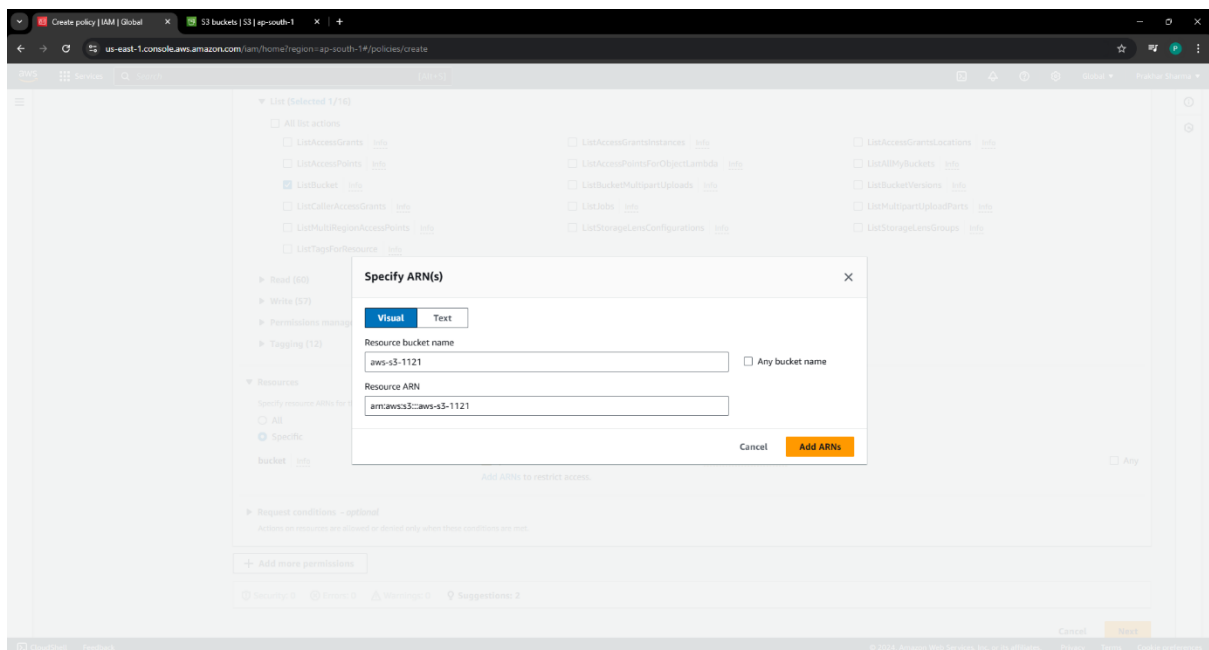
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- o Copy the ARN from the S3 bucket list if you haven't done so already.
- o Paste it in the Add ARN section under Resources.



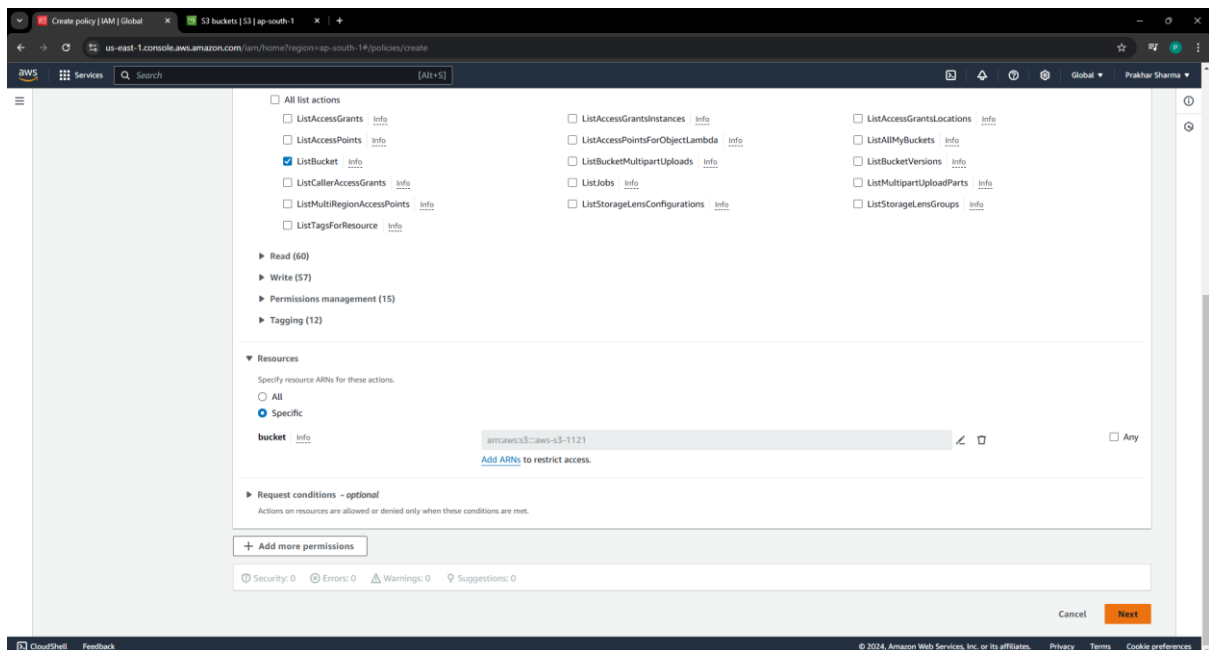
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**Step 4: Review and Create the Policy**

1. Click Next to proceed.
2. Give a name to the policy.

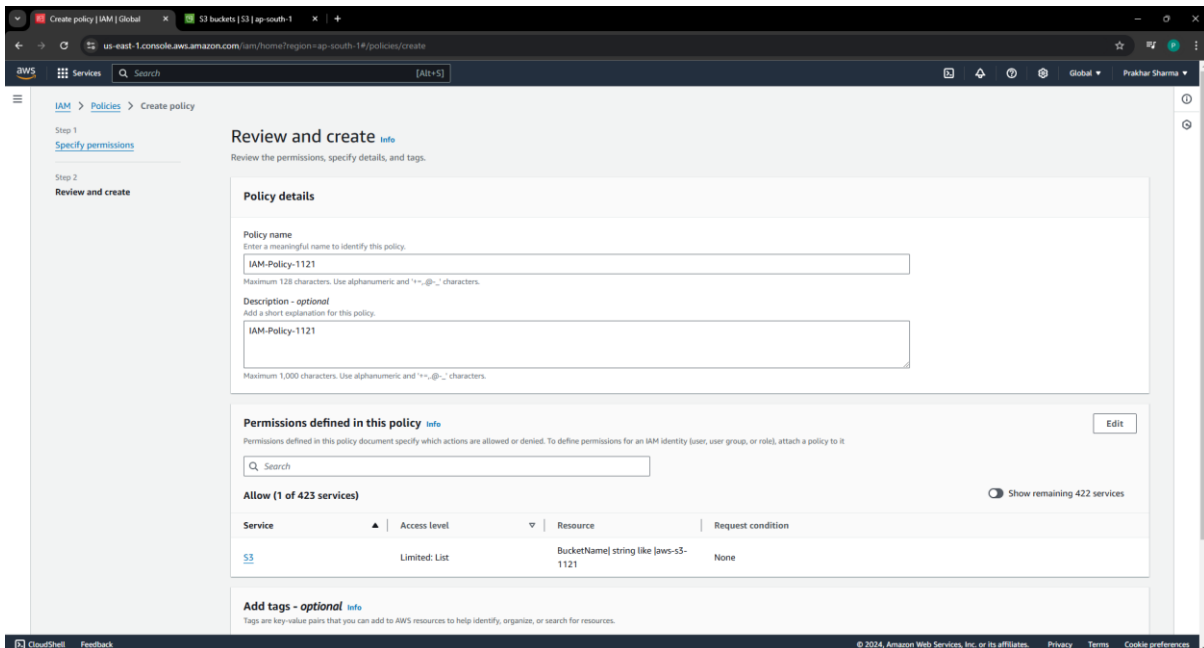
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The screenshot shows the AWS IAM console 'Create policy' wizard, Step 2: Review and create. The policy name is 'IAM-Policy-1121'. The description is 'IAM-Policy-1121'. The permissions section shows a table with one permission: 'S3' with 'Limited: List' access level, 'BucketName' string like 'aws-s3-1121' resource, and 'None' request condition. The 'Add tags' section is optional.

Service	Access level	Resource	Request condition
S3	Limited: List	BucketName string like [aws-s3-1121]	None

3. Review the policy settings.

4. Click on Create policy to finalize the policy creation.

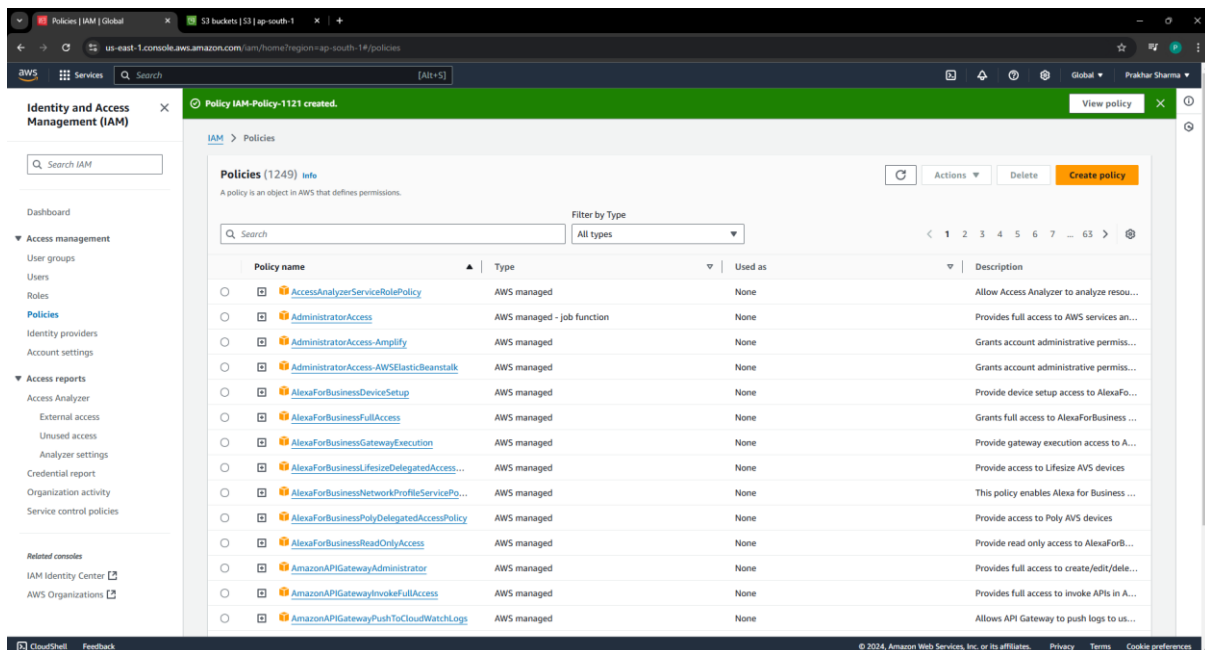
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**Step 5: Create an IAM User and Attach the Policy**

1. Go to the Users section in the IAM service.
2. Click on Create user.
3. Enter a name for the IAM user.

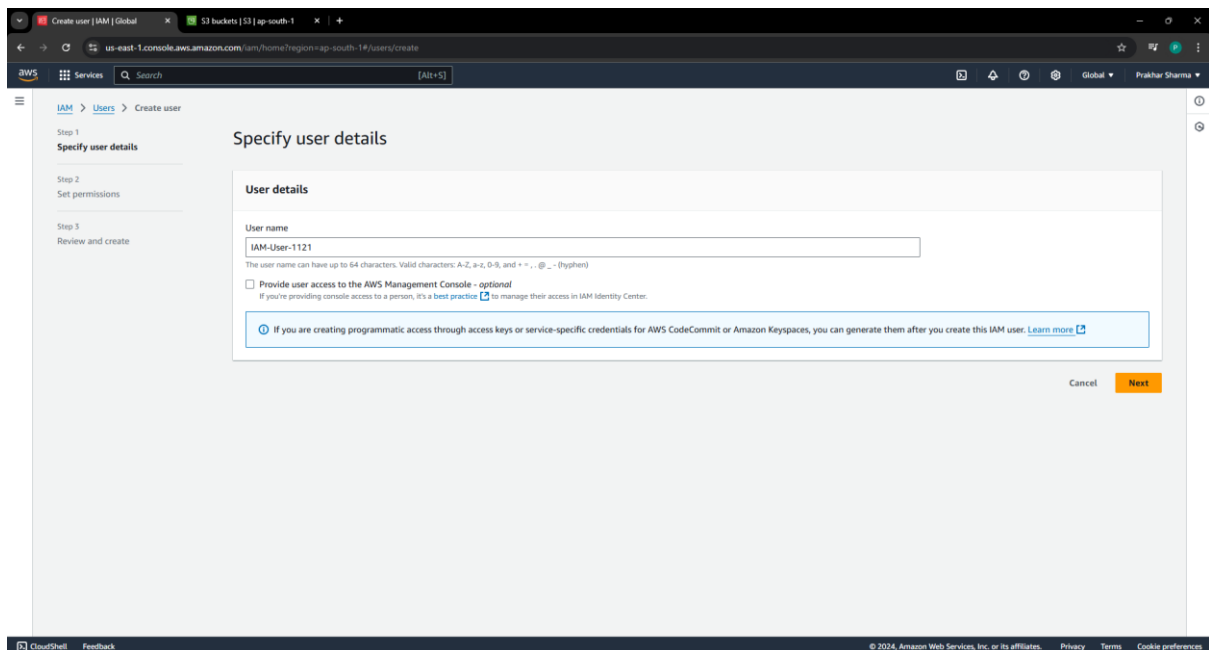
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4. Click Next.

5. In the Permissions options section, select Attach policies directly.

6. In the Permissions policies section, search for the policy you just created and select it.



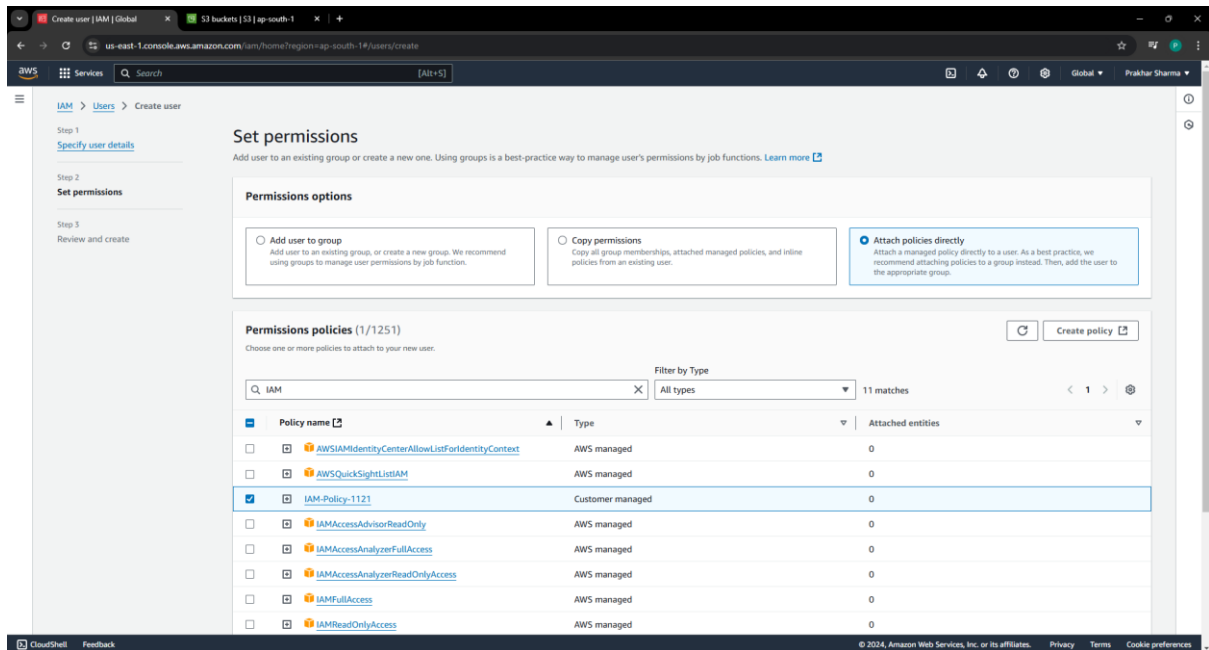
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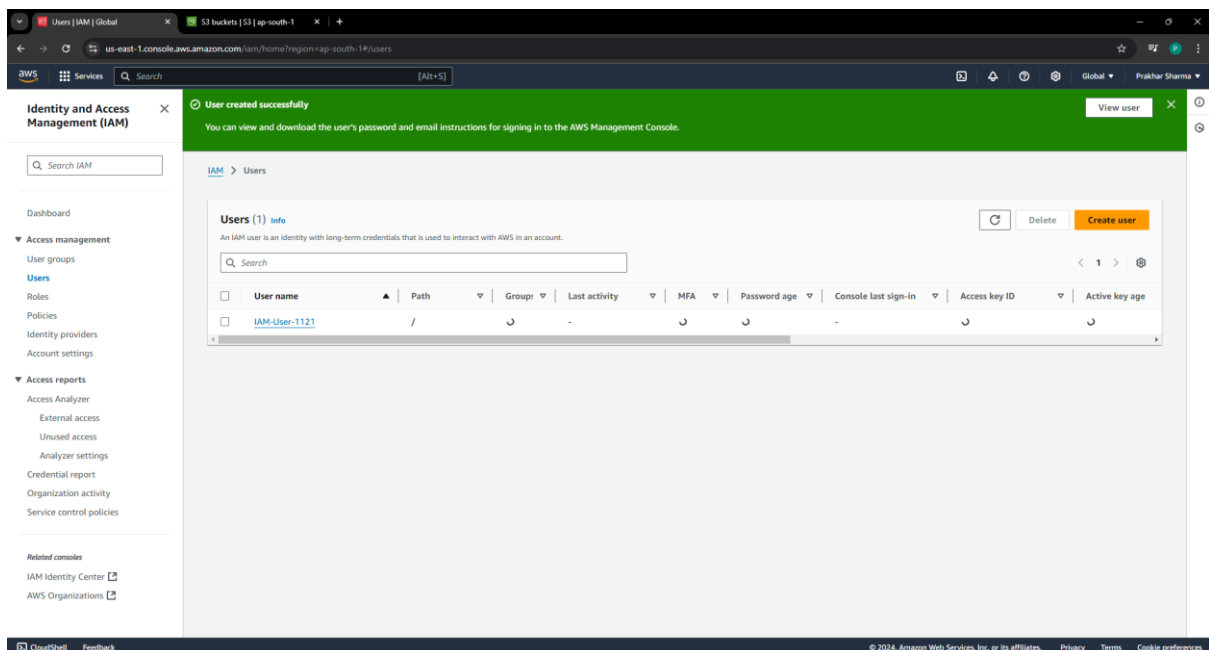
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7. Click Next and then Create user.



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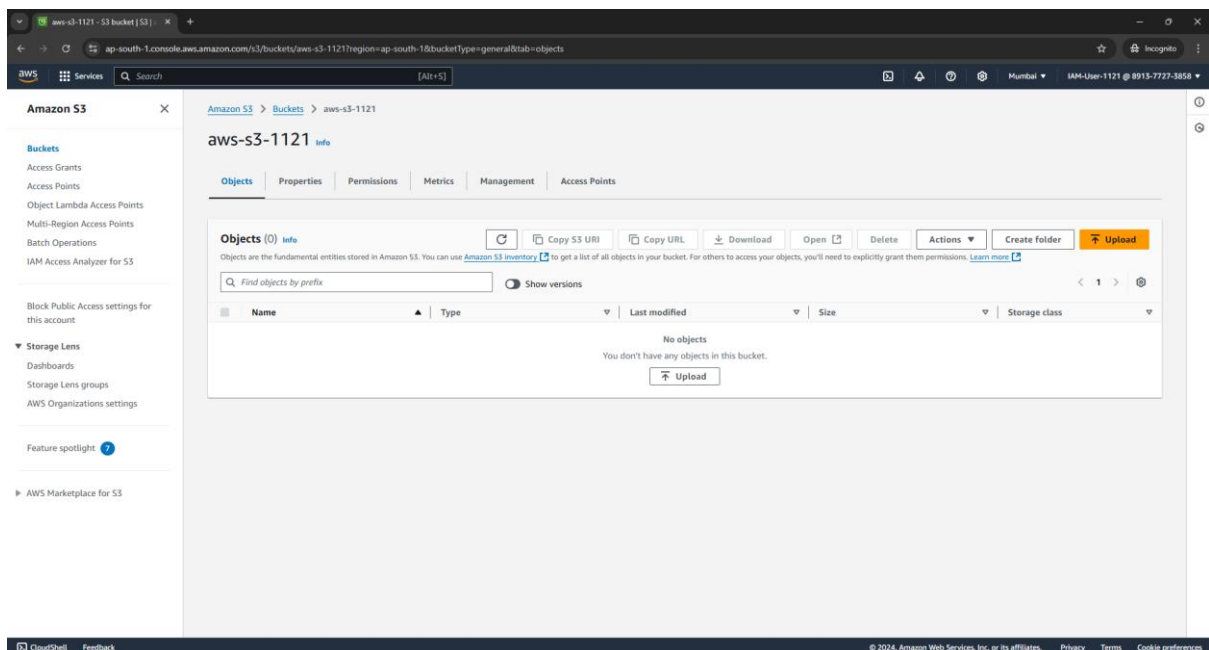
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Now IAM User Can Access the Bucket from the below URL :

<https://s3.console.aws.amazon.com/s3/buckets/aws-s3-1121>



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