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: **AWS CloudTrail with CloudWatch and SNS.**

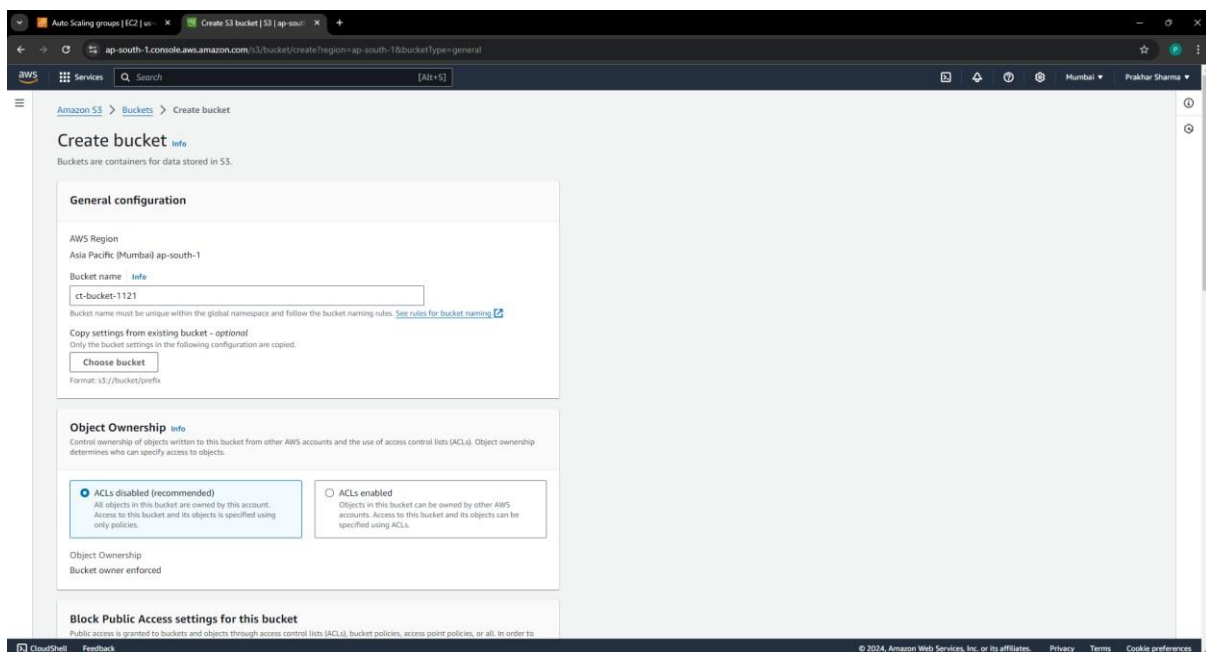Step-1] Sign In to AWS Management

Console .

Step-2] Search for S3.

Step-3 Go to Buckets.

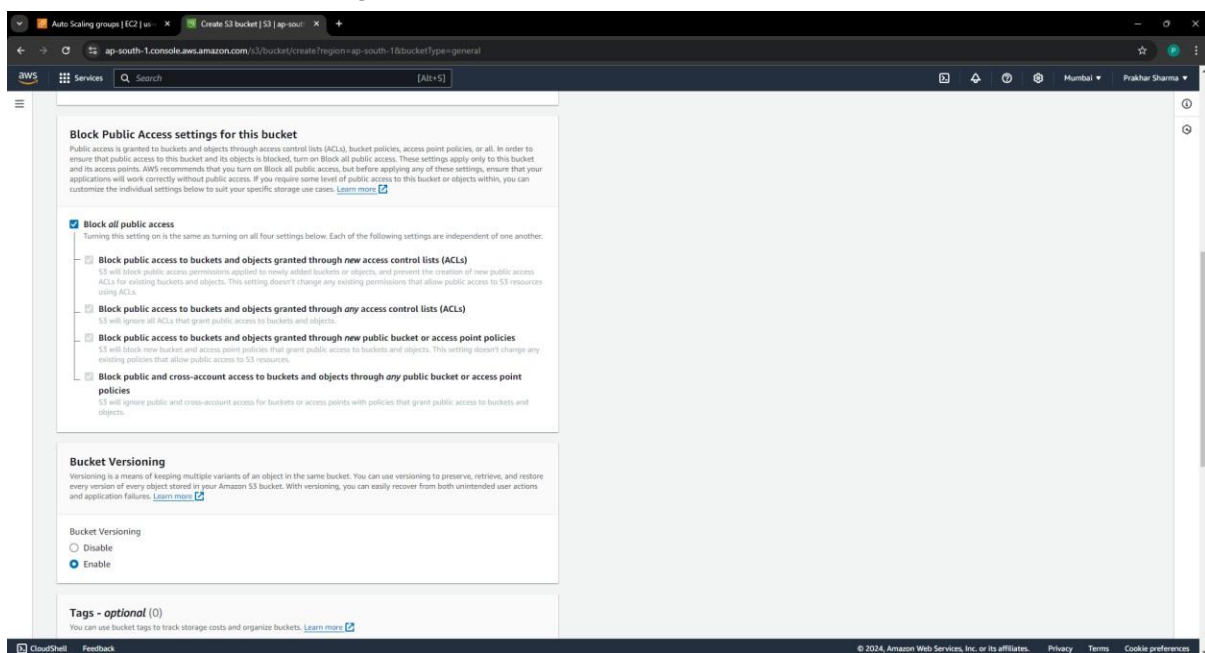Step-4] Click on Create

Bucket.

Step-5] Write Bucket

Name.

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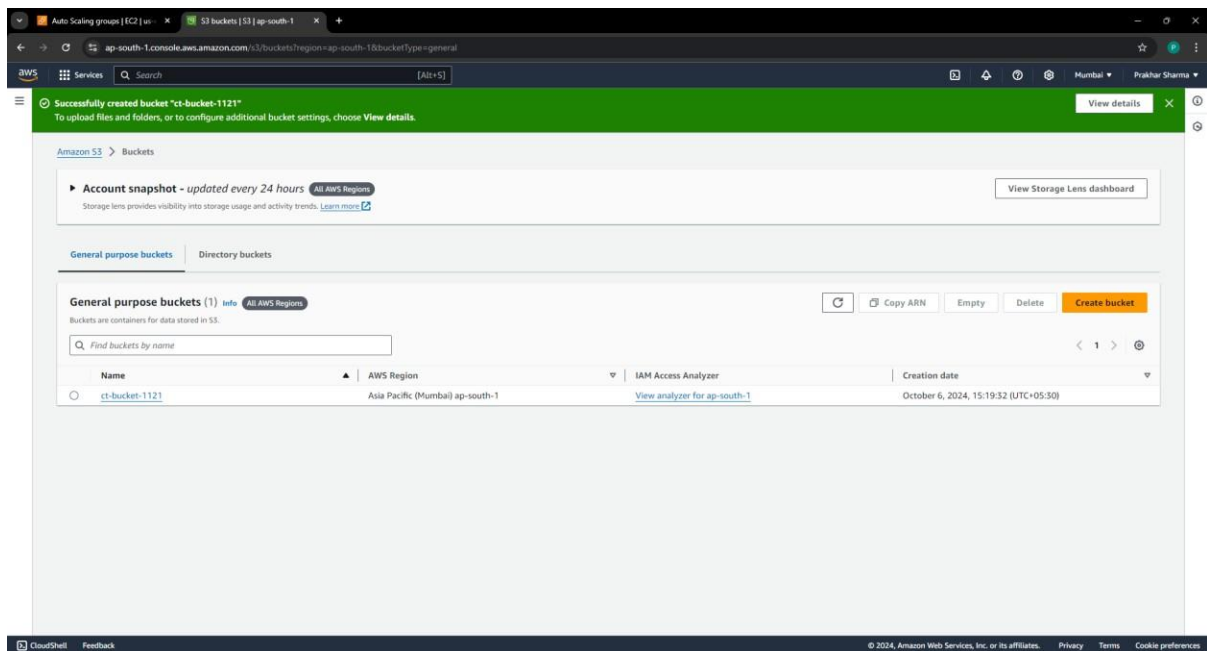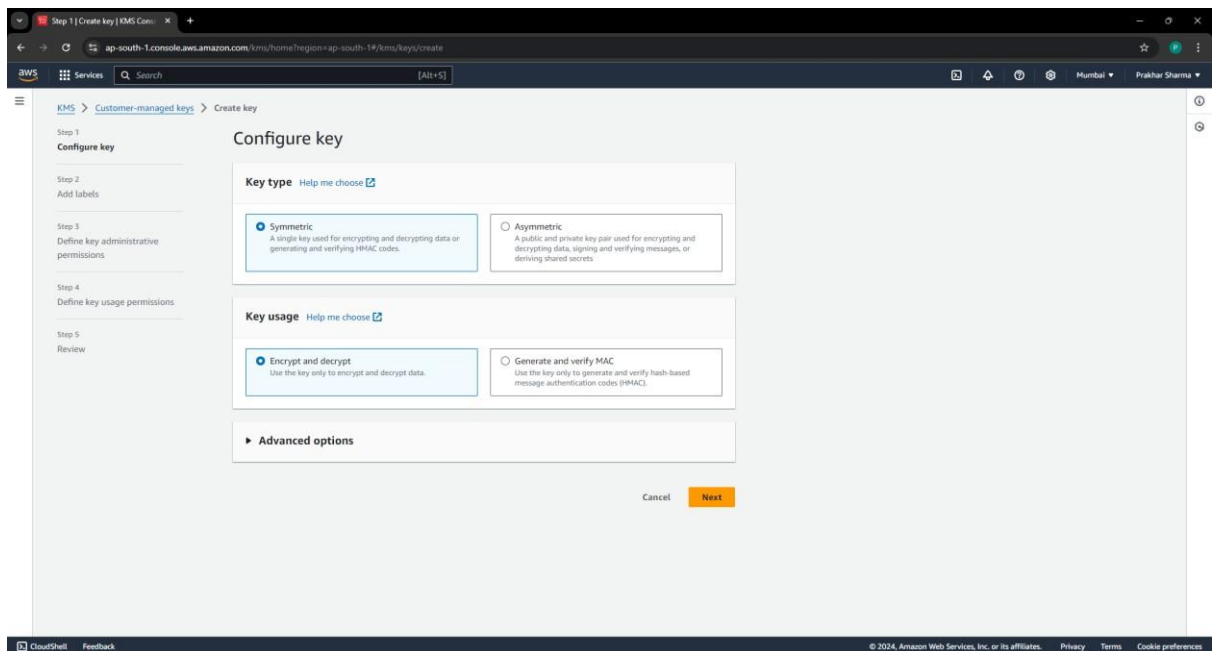Step-6]In Bucket Versioning, Select Enable.

Step-7] Click Create Bucket.

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Title of Practical: **AWS CloudTrail with CloudWatch and SNS.**

Step-8] Go to Key Management Service.

Step-9] Go to Customer managed keys.
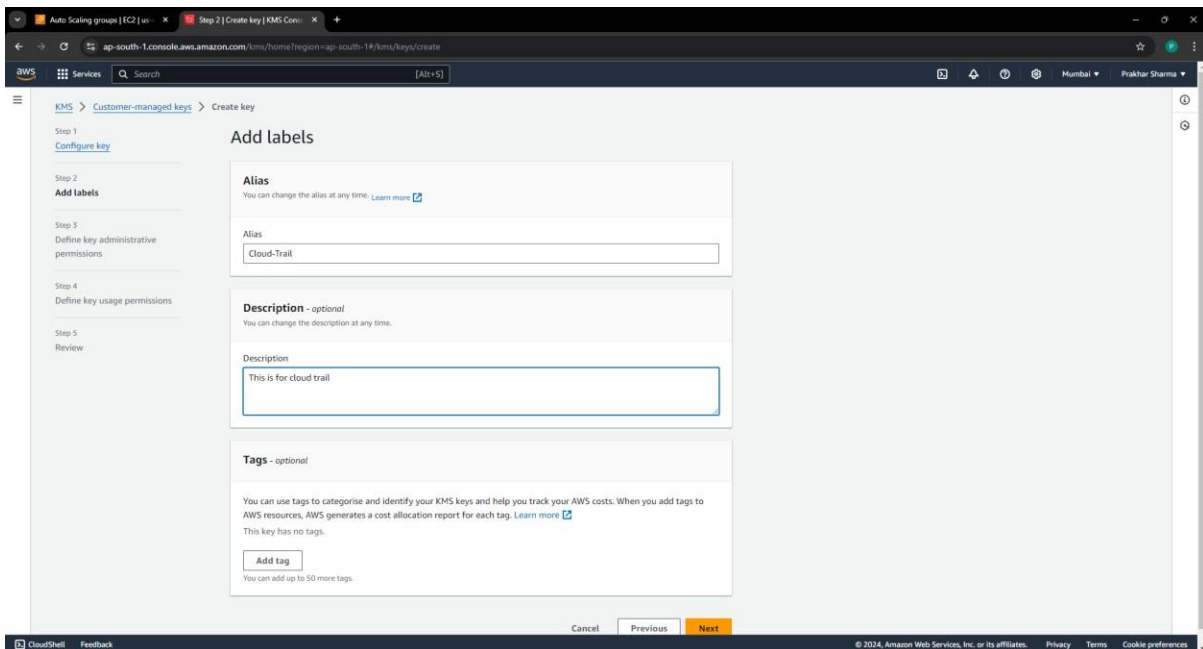
Step-10]Click on Create Key.

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Title of Practical: **AWS CloudTrail with CloudWatch and SNS.**

Step-11]Click on

Next. Step-12]Name

the Alias.

Step-13]Add some Description .

Step-14]Click on Next still last step review.

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Title of Practical: **AWS CloudTrail with CloudWatch and SNS.**

Step-15]Click on Finish .

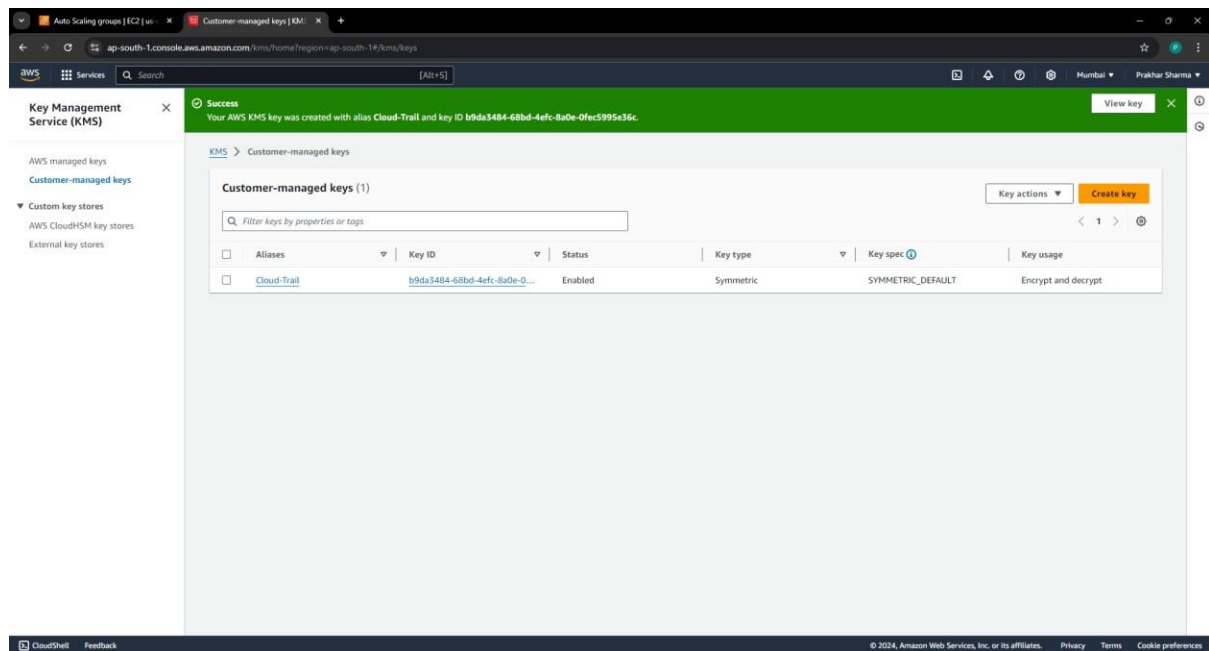# School of Computer Science, Engineering and Applications(SCSEA)
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Title of Practical: **AWS CloudTrail with CloudWatch and SNS.**

Step-16] Go to Cloud

Trail. Step-17]Go to

Trails.

Step-18]Click on Create

trail

Step-19]Give Trail name

Step-20]Storage location : select existing S3

bucket

Step-21]Browse your existing bucket

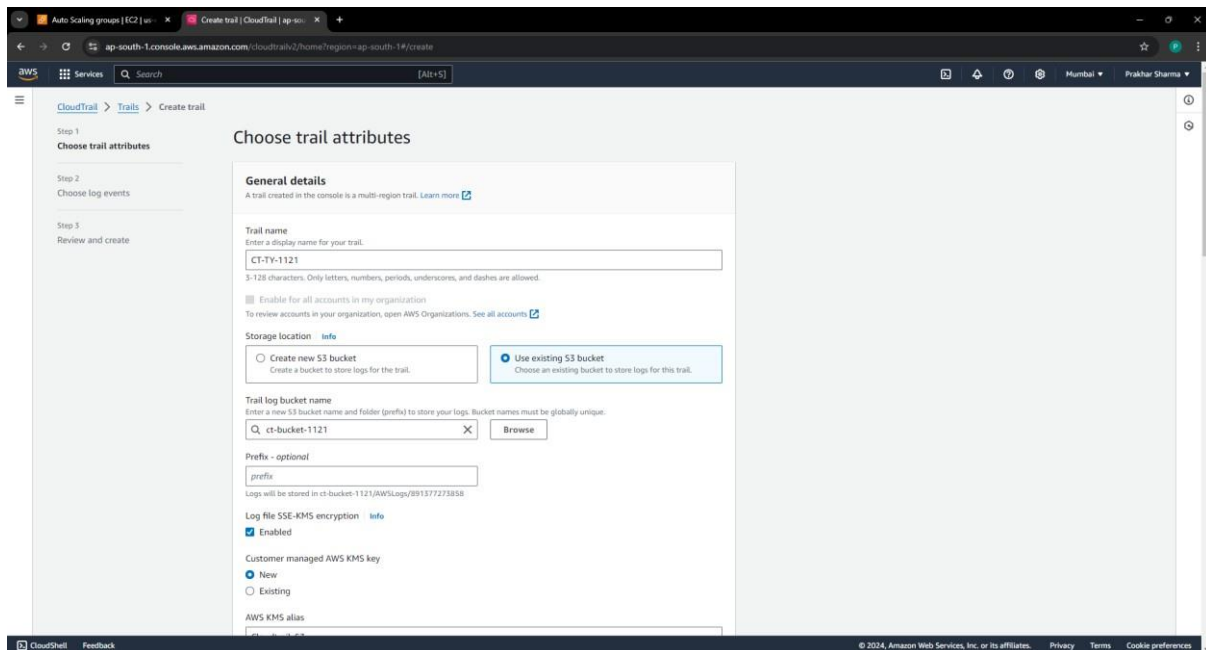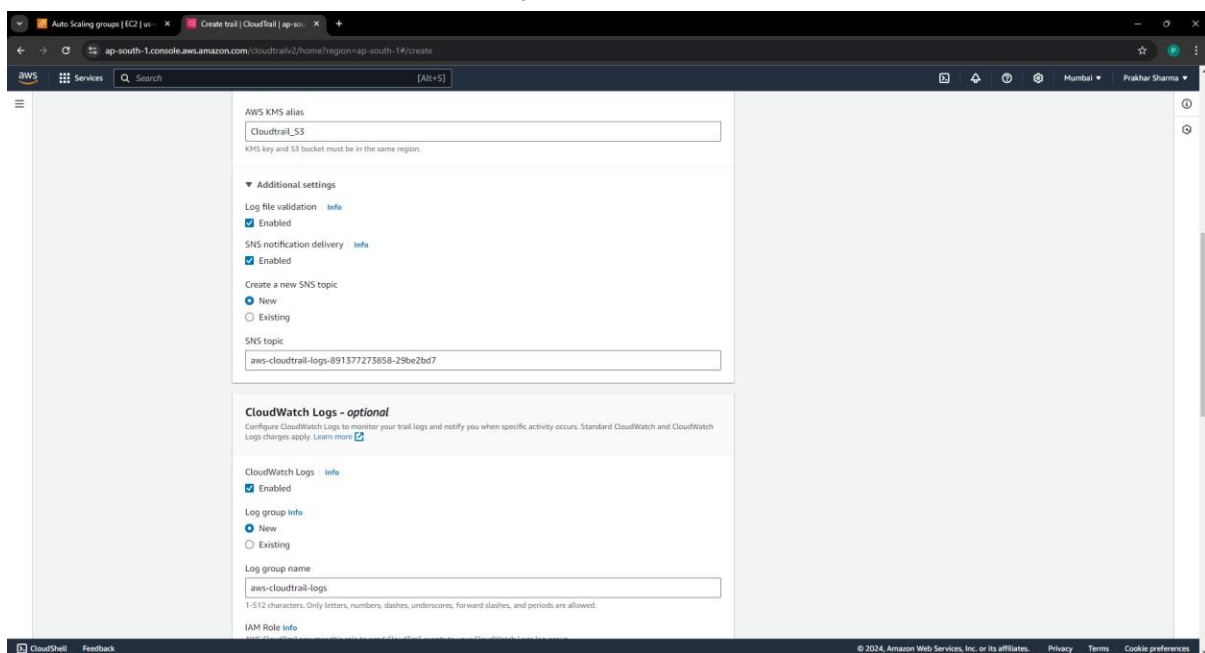# School of Computer Science, Engineering and Applications(SCSEA)
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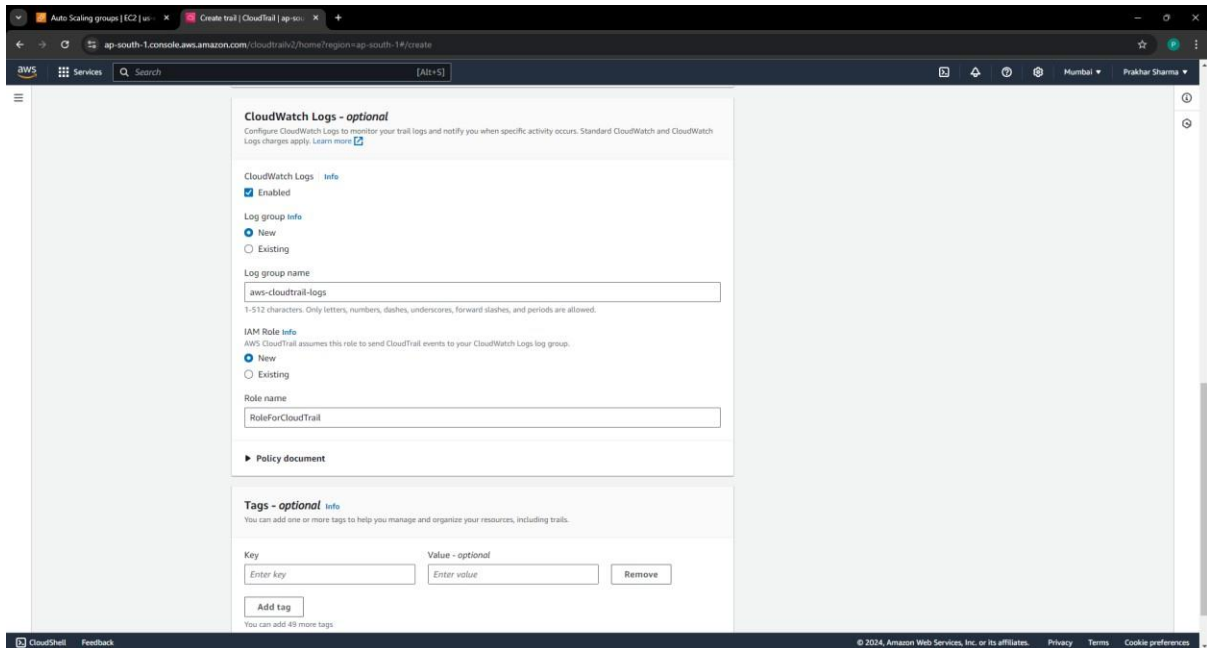

Step-22]Give AWS KMS alias a Name.

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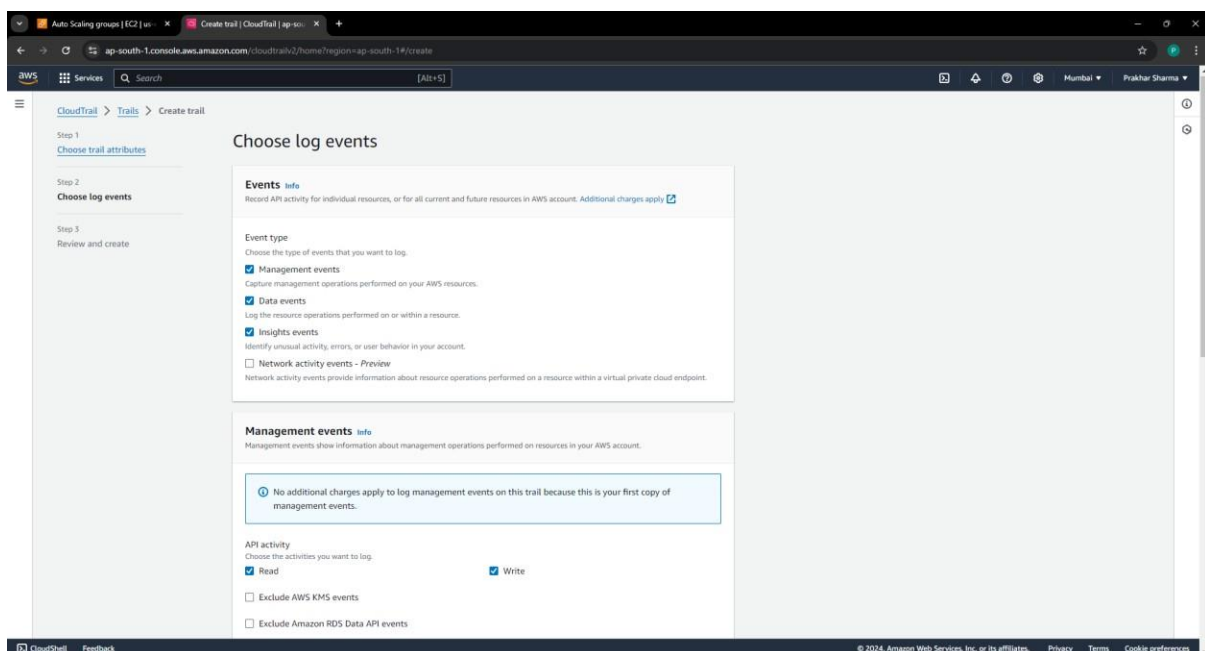## B.C.A. TY (CCSA)
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Title of Practical: **AWS CloudTrail with CloudWatch and SNS.**

Step-23] Enable SNS notification delivery and Select New as Create a new SNS Topic

Step-24] Go to cloud watch logs –

optional .

Step-25]Give Log group name .

Step-26]Select New in IAM Role .

Step-27]Give Role
Name.

Step-28]Click Next.

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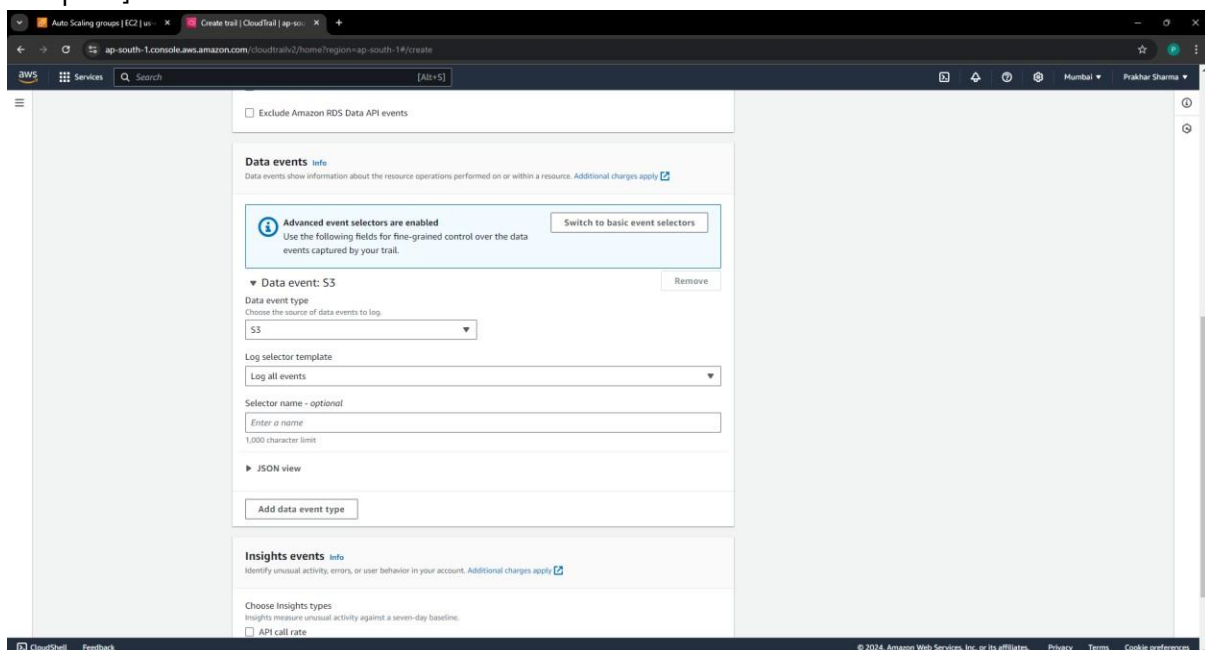## B.C.A. TY (CCSA)
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Step-29] In Event , Select Event Type

✓ Management events

✓ Data Events

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✓ Insights Events

Step-30]In Data events, Select S3 as Data event

type.

Step-31]Click Next.

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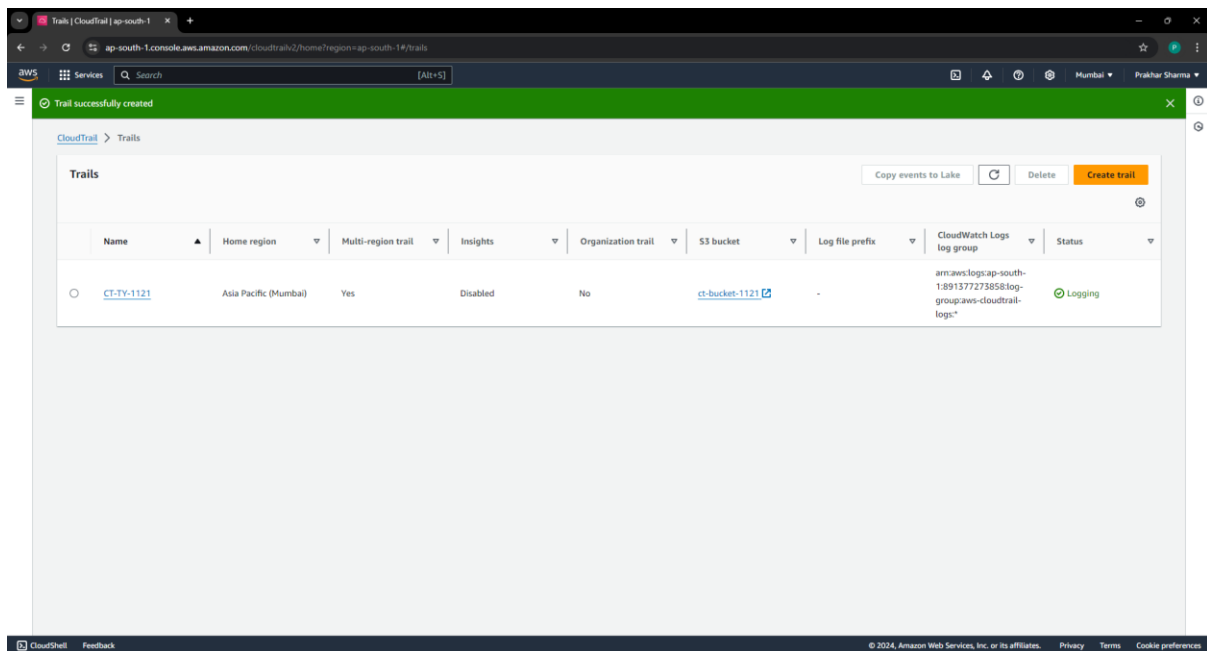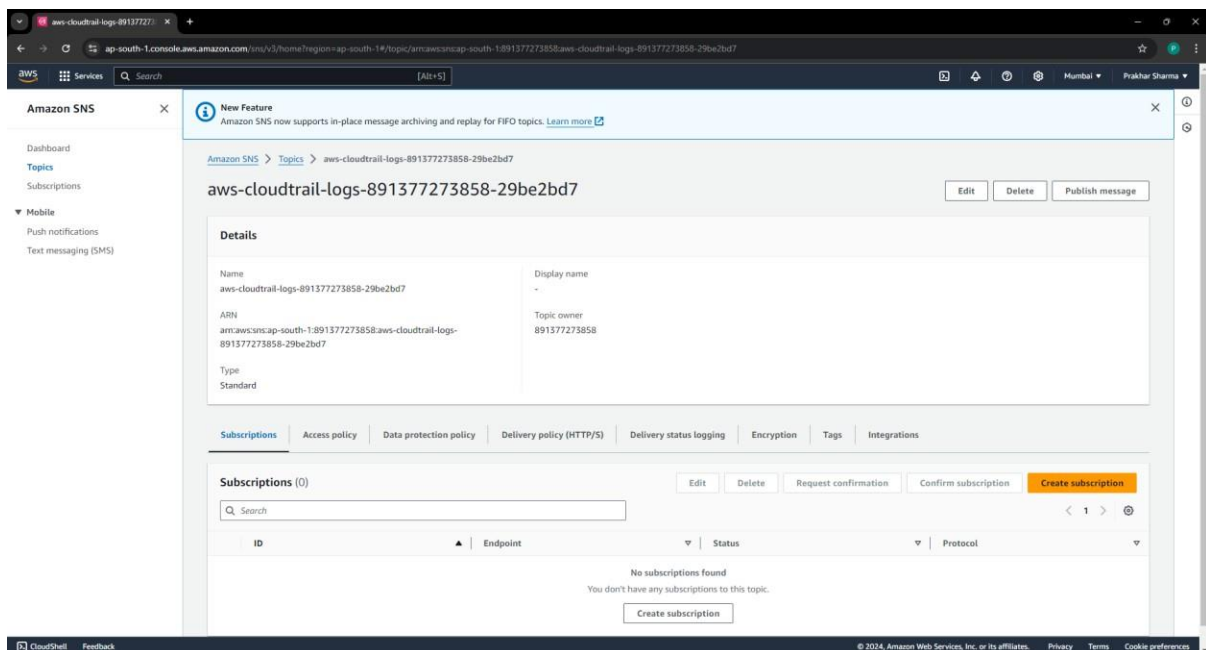## B.C.A. TY (CCSA)
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Step-32]Click Create trail.

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Step-33] Go to SNS (simple notification

service)

Step-34] Go to Topics

Step-35]Click on the topic link.

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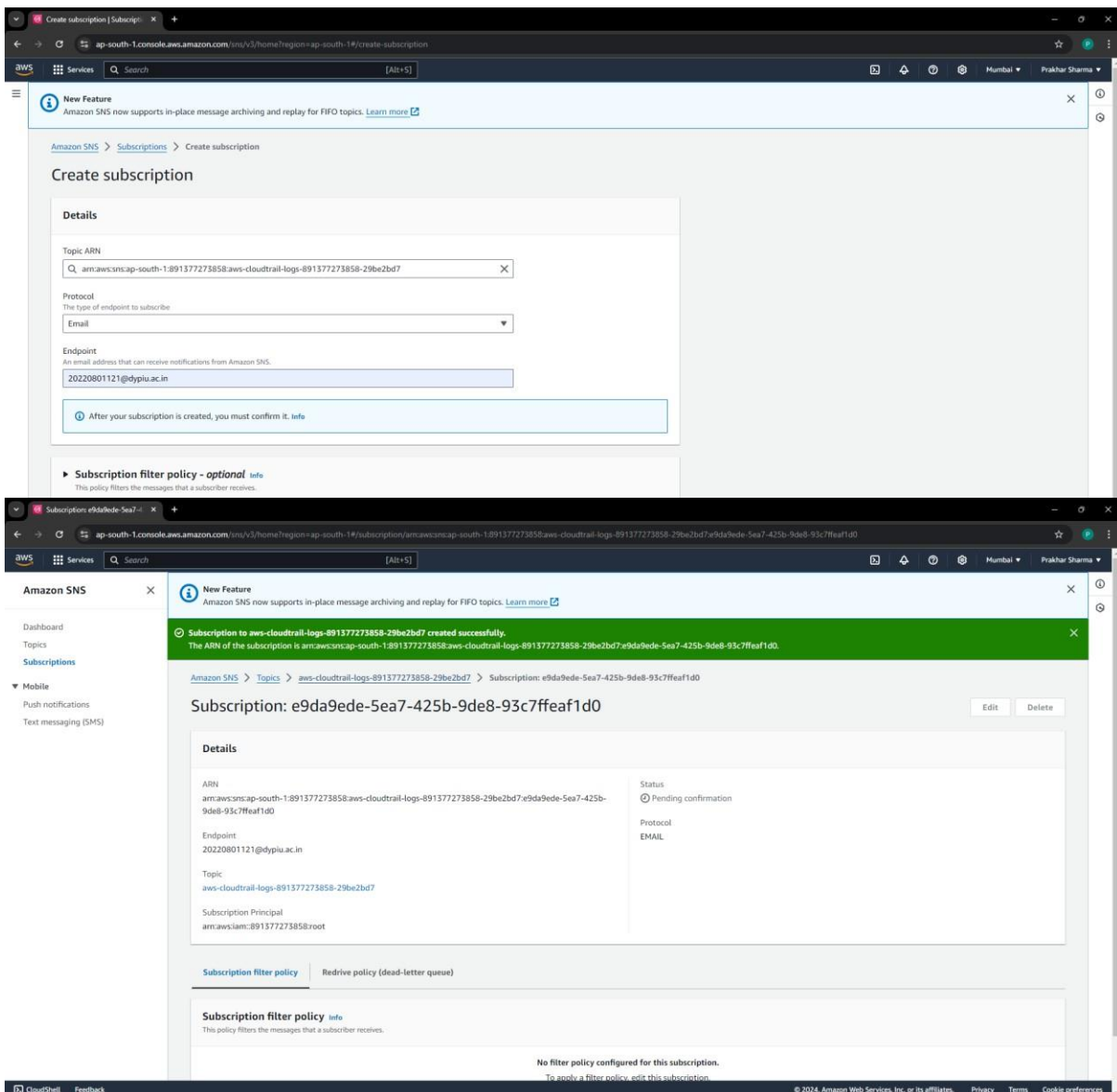## Subject : Advanced Cloud Computing (P)

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Title of Practical: **AWS CloudTrail with CloudWatch and SNS.**

Step-36]In Subscription, Click on Create Subscription.

Step-37]Select Email as Protocol.

Step-38]Enter your Email as

Endpoint.

Step-39]Click on Create Subscription.

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Step-40]Go to your Email .

Step-41]Open the recent mail from AWS Notification.

Step-42]Click on confirm subscription.
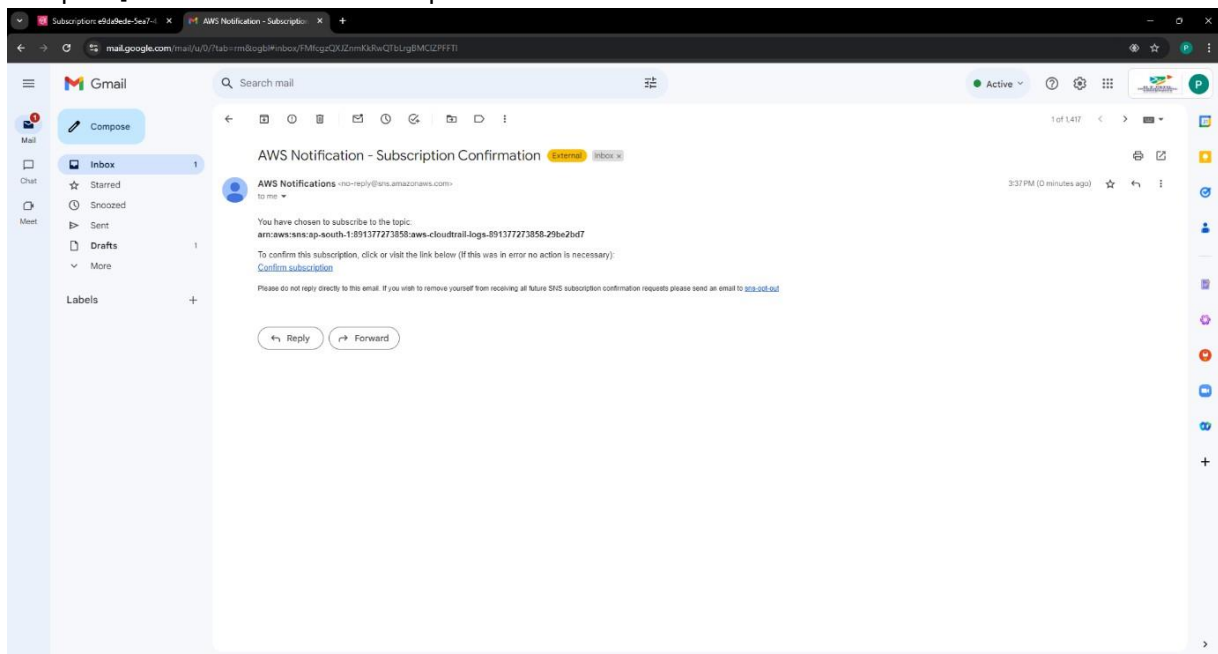
Step-43]Now Go to Amazon

S3.

Step-44]Select your bucket.

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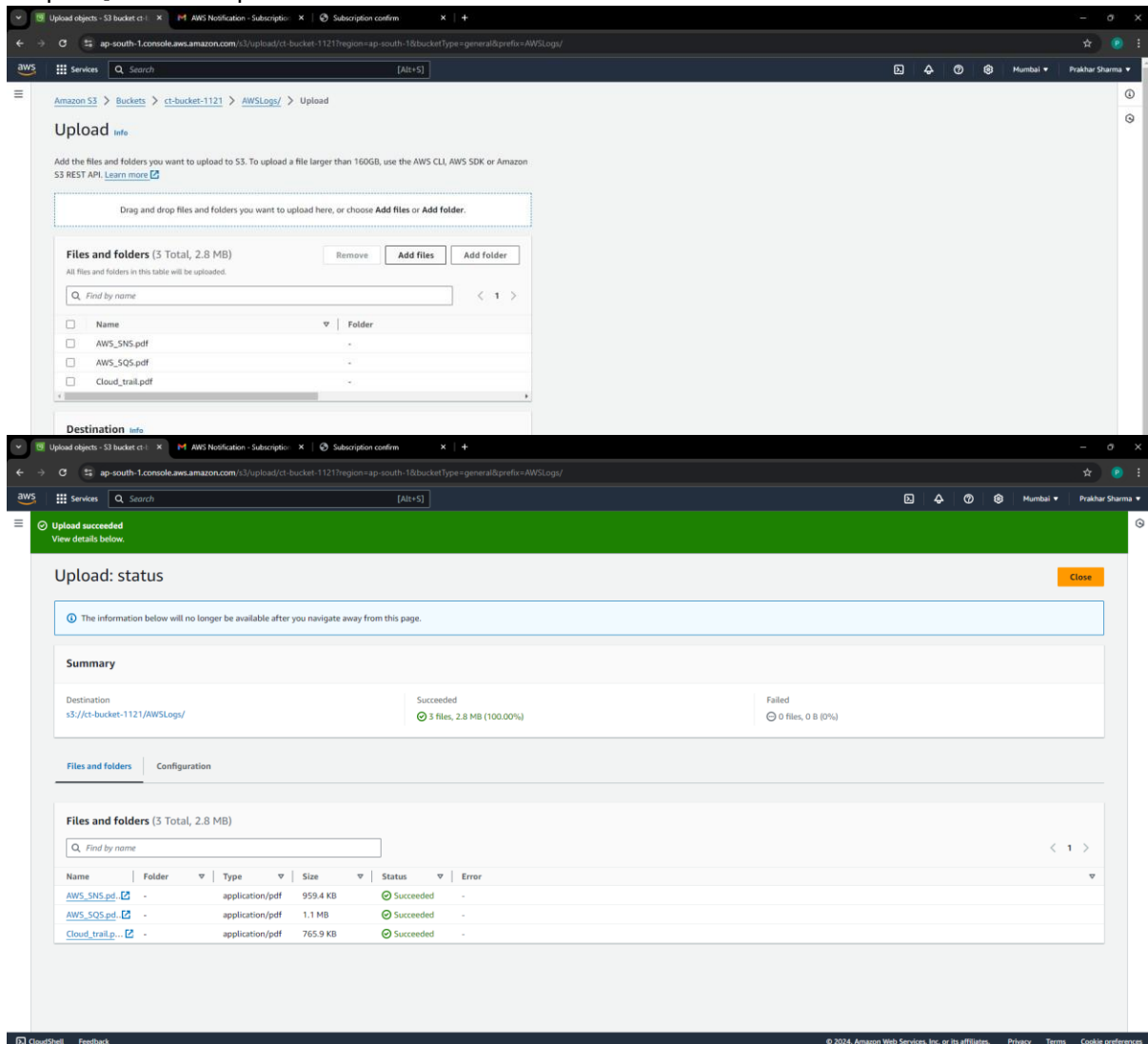**Name of the Student:** Prakhar Anil Sharma   **PRN:** 20220801121

Title of Practical: **AWS CloudTrail with CloudWatch and SNS.**

Step-45]Select AWSLogs.
Step-46]Upload Some files by Clicking on Add files.
Step-47]Click on Upload.

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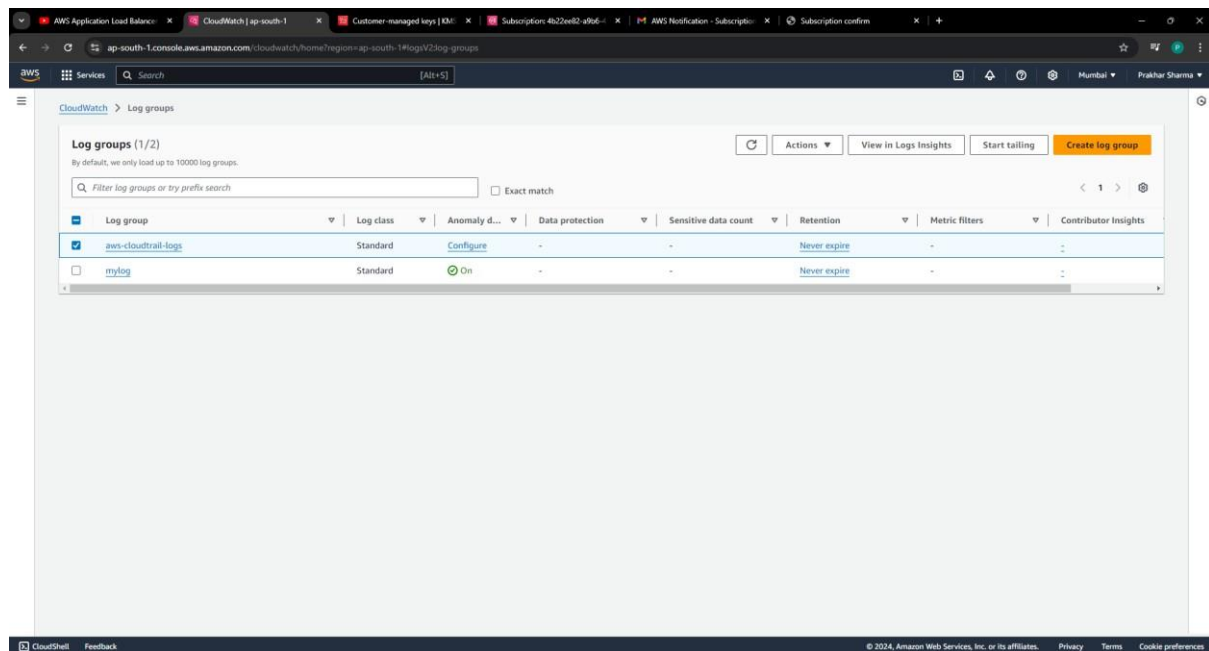
Title of Practical: **AWS CloudTrail with CloudWatch and SNS.**

Step-48] Go to CloudWatch.

Step-49]Open Log groups from left menu

Step-50]Select the log log group associated with your CloudTrail trail.

Step-51]Click **Actions** .

Step-52]Click on Anomaly

detection .

Step-53]Click on edit.
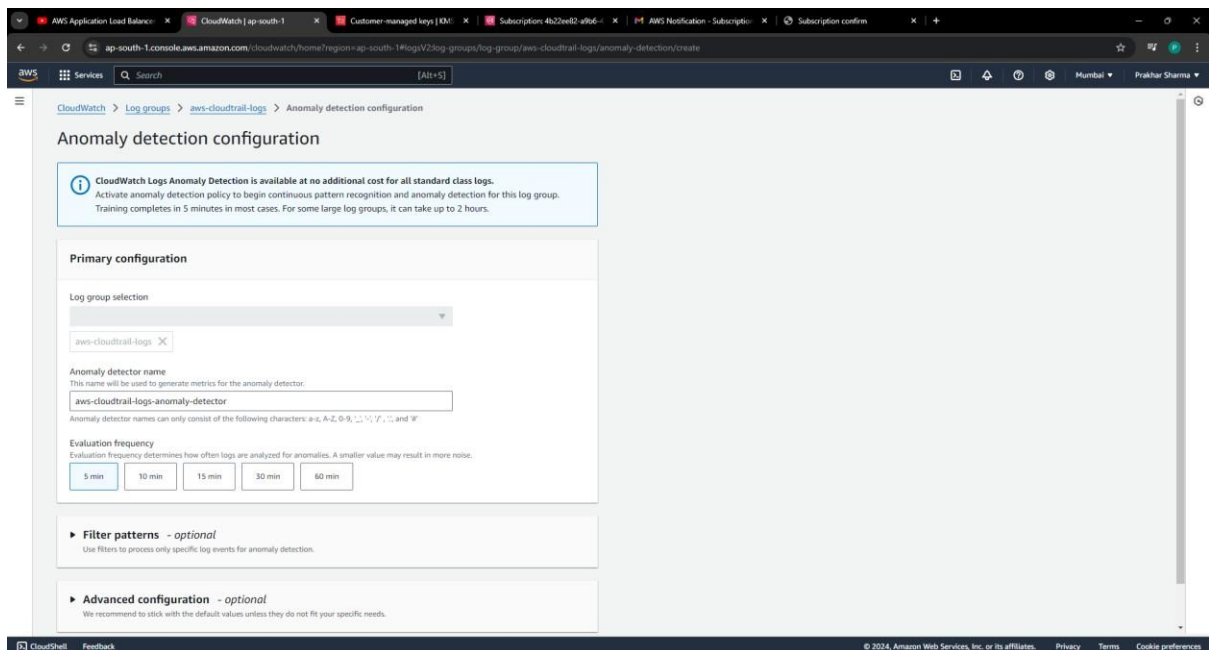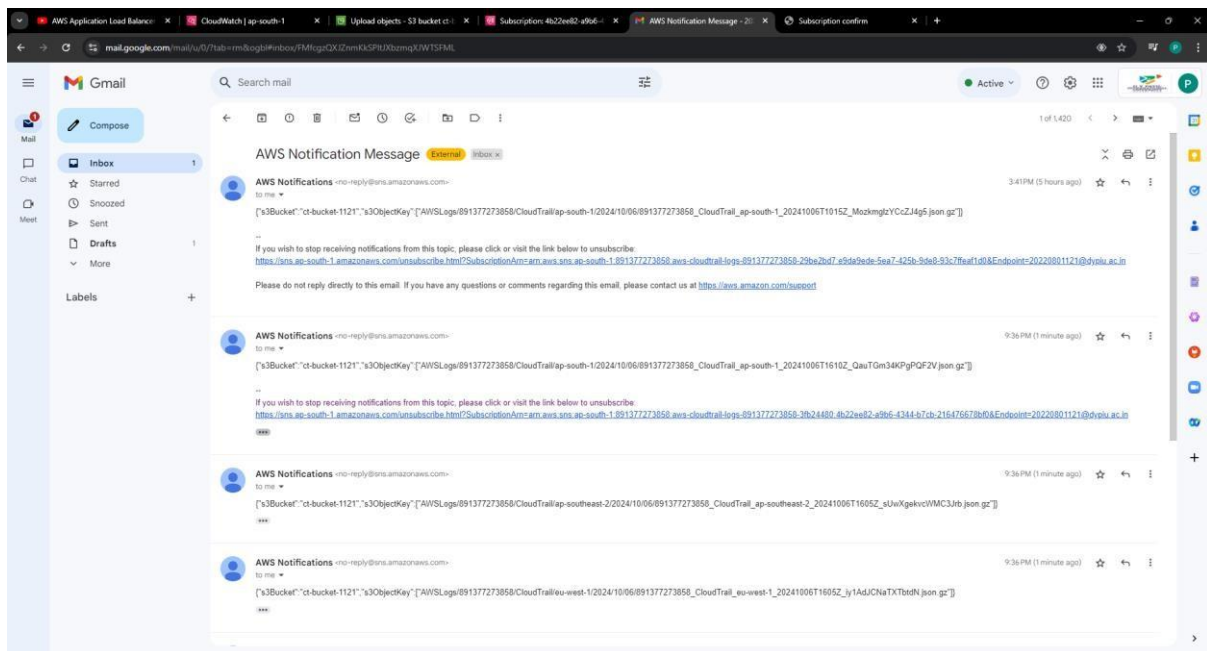
Step-54]Set the Evaluation frequency to 5 min.

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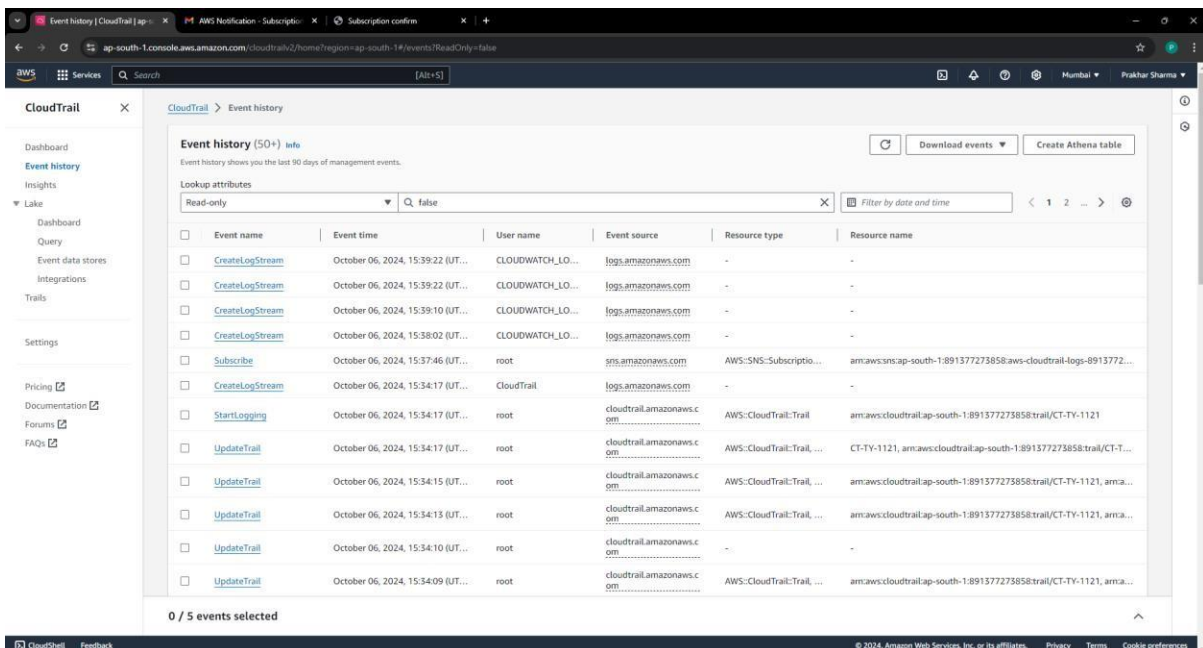## B.C.A. TY (CCSA)
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Step-55]Click on Update Anomaly detection.

Step-56] You will receive an email notification from SNS alerting you about the activity.

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Step-57]Go to Cloud

Trail. Step-

58]Go to Event History.

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You Can See the Events Occurred in AWS Cloud Trail.

Step-59]Deactivate every AWS services.

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