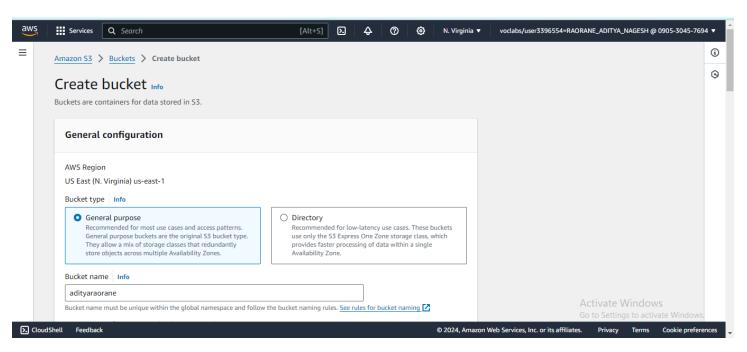
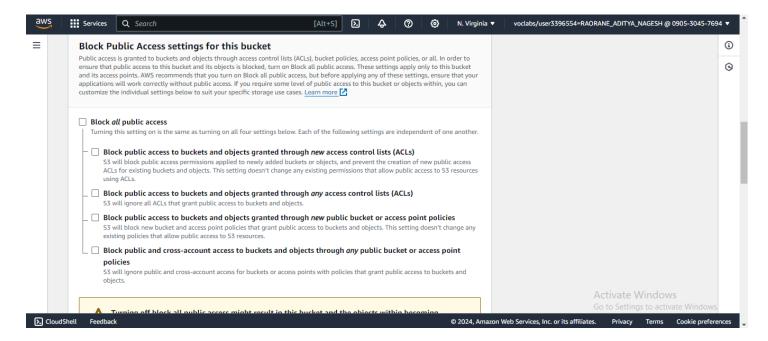
Aim: To create a Lambda function which will log "An Image has been added" once you add an object to a specific bucket in S3.

Roll No: 44

1] Create a AWS S3 Bucket type **General Purpose** named **adityaraorane**.

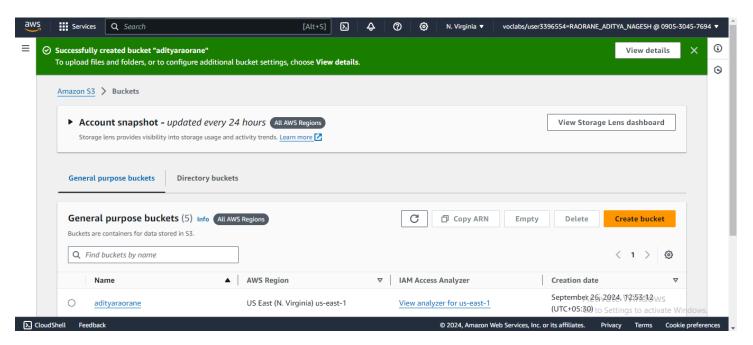


2] Turn off the Block Public Access for this bucket so that it is publicly accessible to all users.

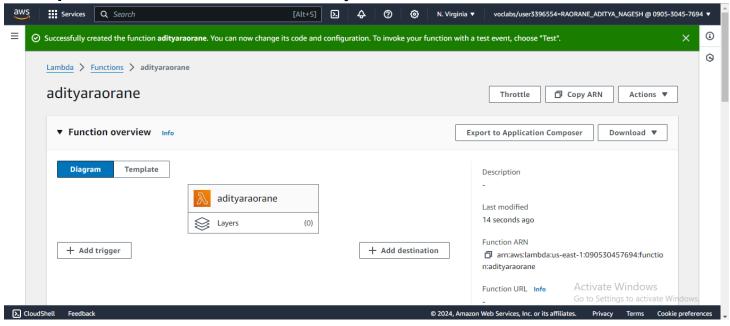


3] Click on the **Create** button. This will successfully create our bucket. Then click on the bucket name **adityaraorane** to open it up.

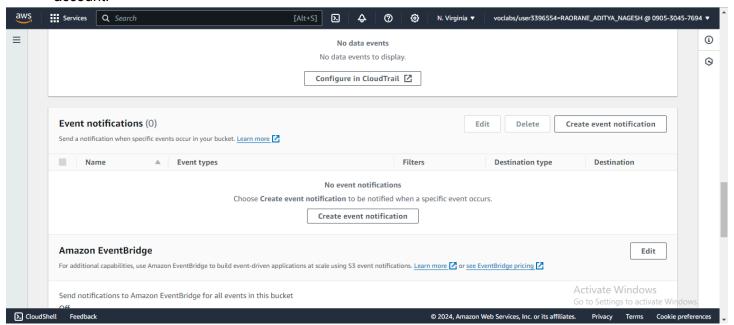
Roll No: 44



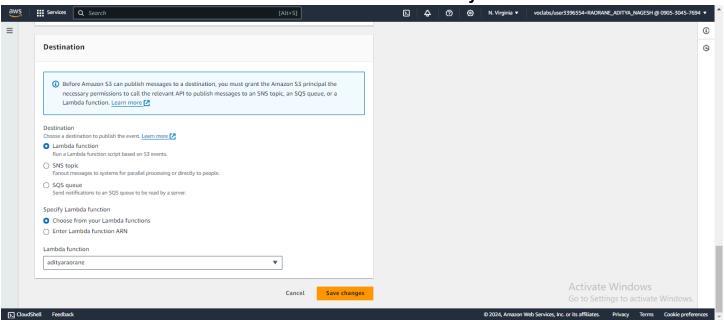
4] Now create a Lambda function named adityaraorane.



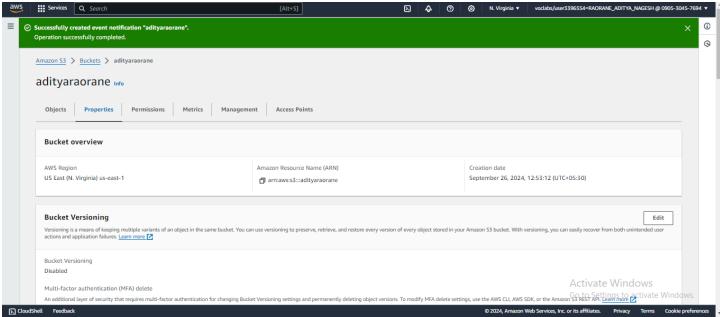
5] Click on **Services** and select **CloudWatch** which is an AWS service that helps you enable operational and risk auditing, governance, and compliance of your AWS account.



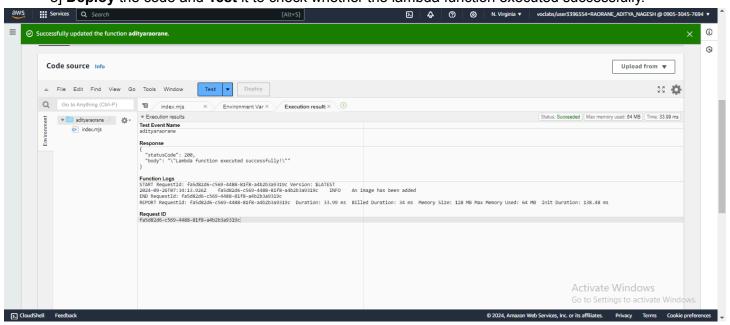
6] Click on **Create event notification** and select **Destination** as **Lambda function** and choose the lambda function created with the name **adityaraorane**.



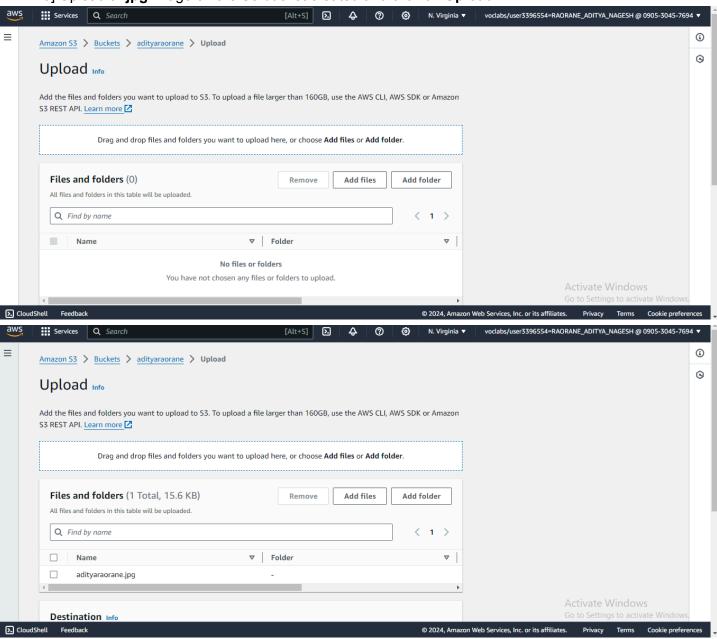
7] Click on Save Changes.

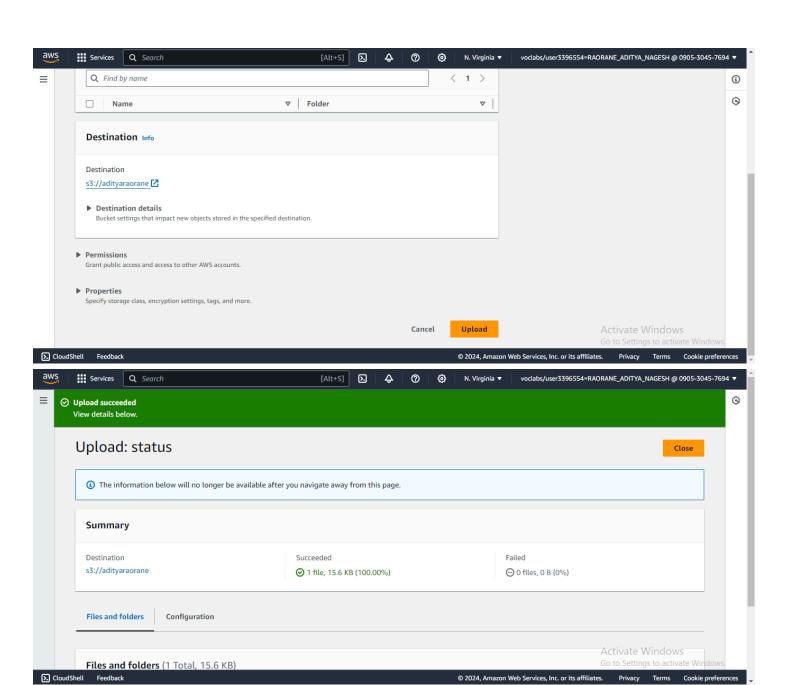


8] Deploy the code and Test it to check whether the lambda function executed successfully.

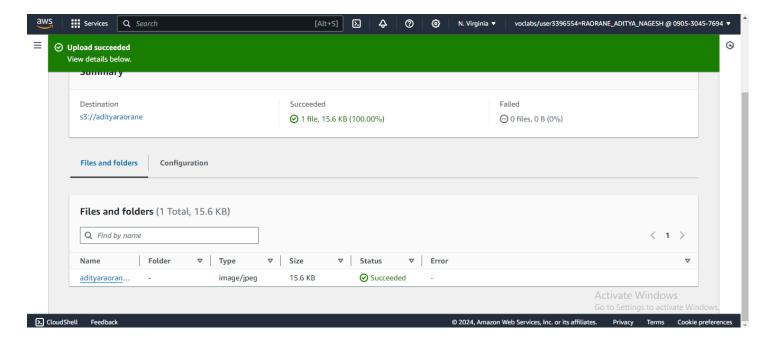


9] Upload a .jpg image on the S3 bucket created and click on Upload.

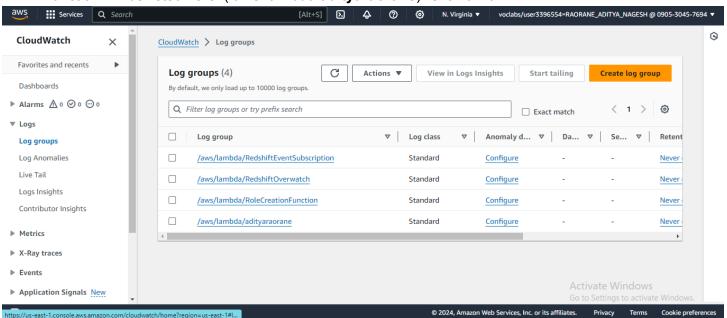


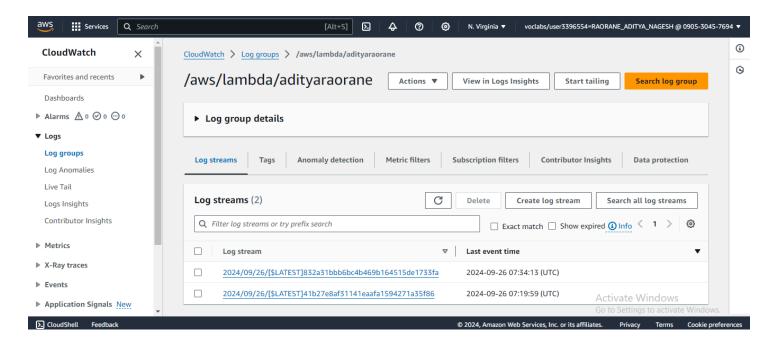


Roll No: 44



10] In the **CloudWatch** services ,in the left navigation pane select the **Log groups**. Our lambda function will be listed here. (/aws/lambda/adityaraorane). Click on it.





Conclusion: Integrating AWS Lambda with S3 allows for real-time, automated processing of events such as file uploads. In this example, a Lambda function is configured to log a message whenever an image is added to a specific S3 bucket. This setup demonstrates the power and flexibility of serverless computing by automating tasks without requiring manual intervention or server management. By leveraging AWS Lambda, developers can efficiently handle event-driven workflows, reduce operational overhead, and quickly deploy scalable solutions that respond to specific actions within cloud environments.