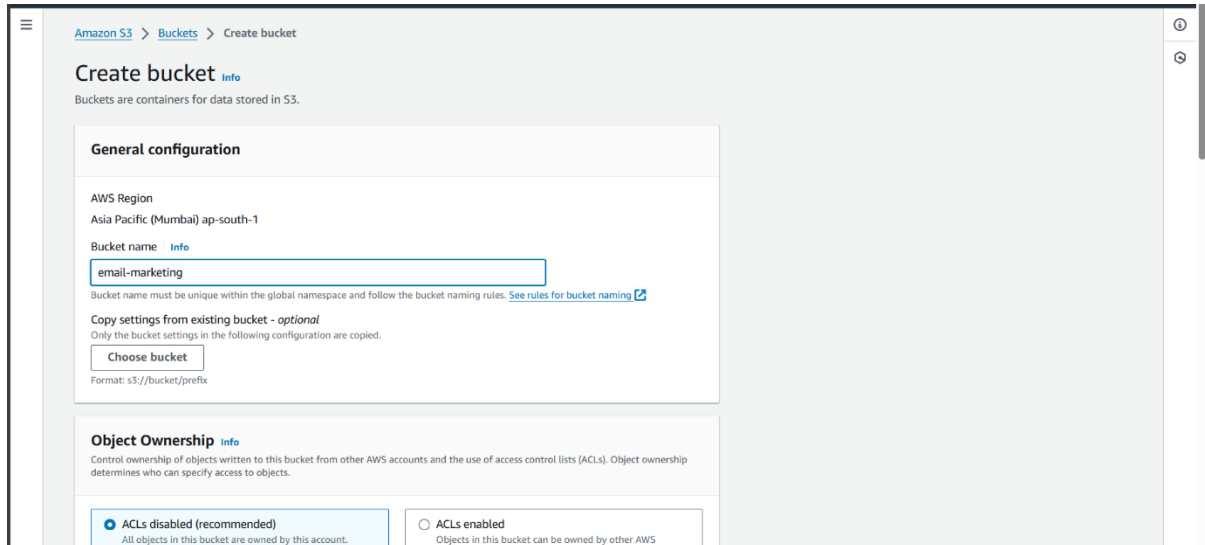


Mass Emailing using SES , Lambda , S3

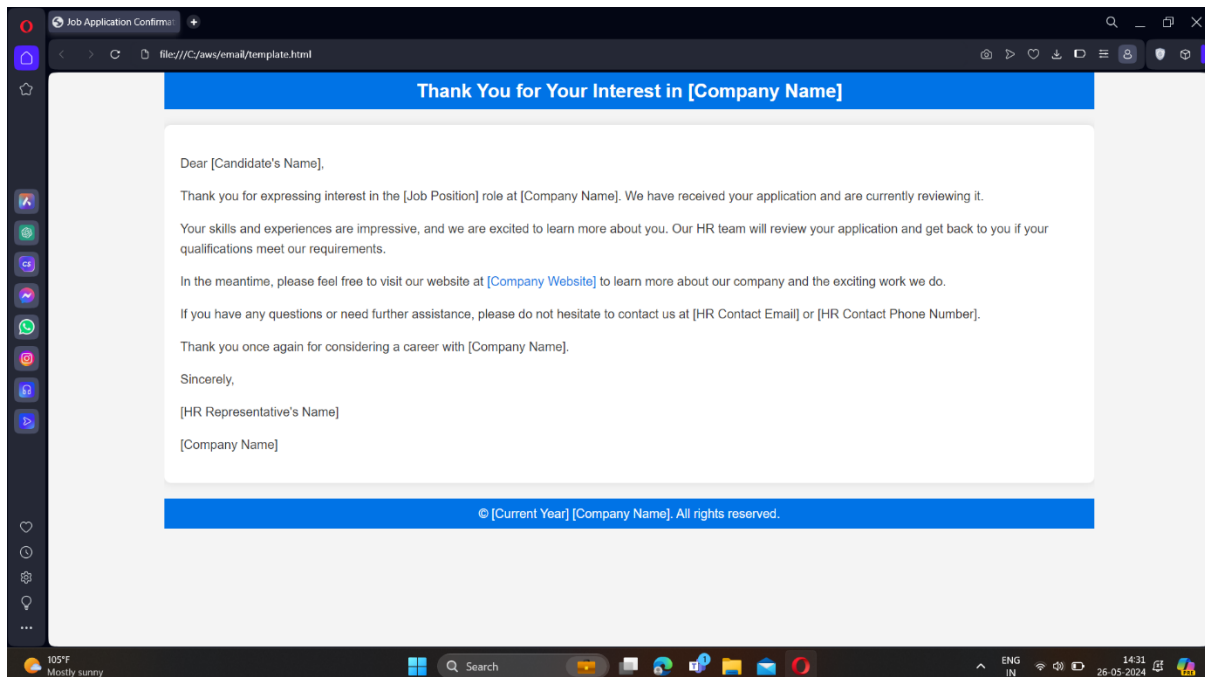
S3 bucket configuration:-

Create a bucket with all default settings.

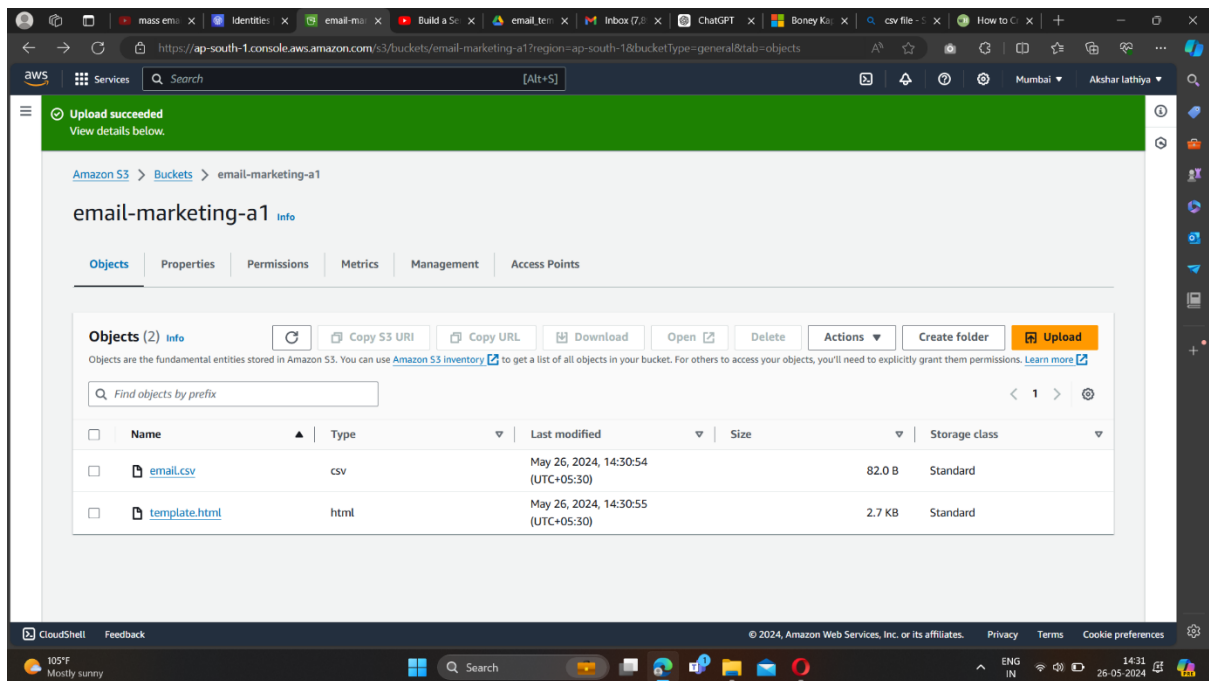
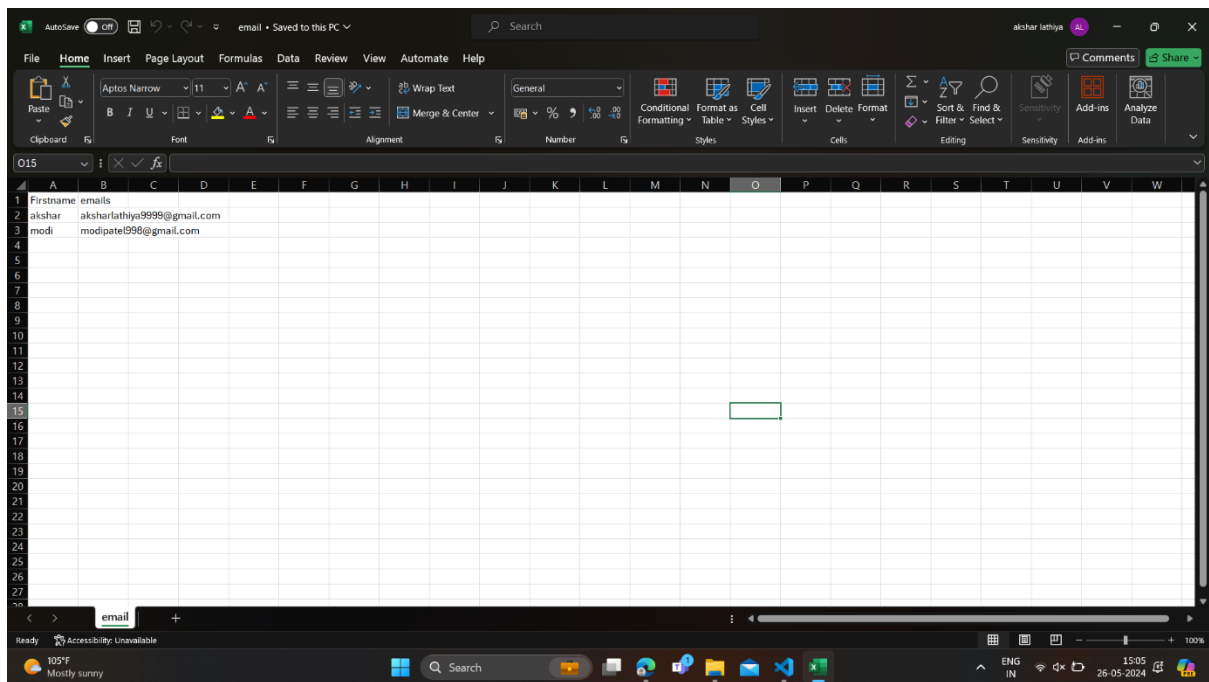


The screenshot shows the 'Create bucket' page in the Amazon S3 console. The breadcrumb navigation at the top reads 'Amazon S3 > Buckets > Create bucket'. The main heading is 'Create bucket' with an 'Info' link. Below this, a note states 'Buckets are containers for data stored in S3.' The 'General configuration' section is active, showing the 'AWS Region' as 'Asia Pacific (Mumbai) ap-south-1'. The 'Bucket name' field contains 'email-marketing'. A note below the field states: 'Bucket name must be unique within the global namespace and follow the bucket naming rules. See rules for bucket naming'. The 'Copy settings from existing bucket - optional' section is collapsed, showing a 'Choose bucket' button and the format 's3://bucket/prefix'. The 'Object Ownership' section shows two options: 'ACLs disabled (recommended)' (selected) and 'ACLs enabled'. The 'ACLs disabled' option has a note: 'All objects in this bucket are owned by this account.'

Create a template for email using html and upload the html in s3 bucket.

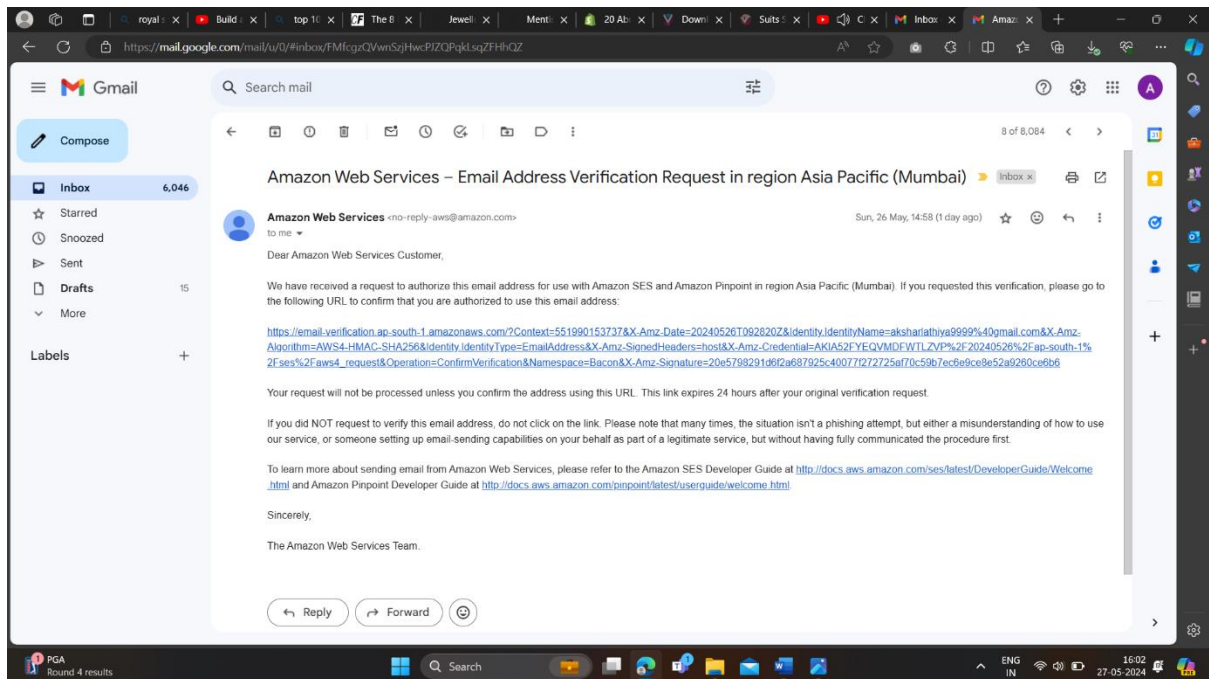


Create a csv file that contains firstname and email id of students and upload it in s3 bucket.

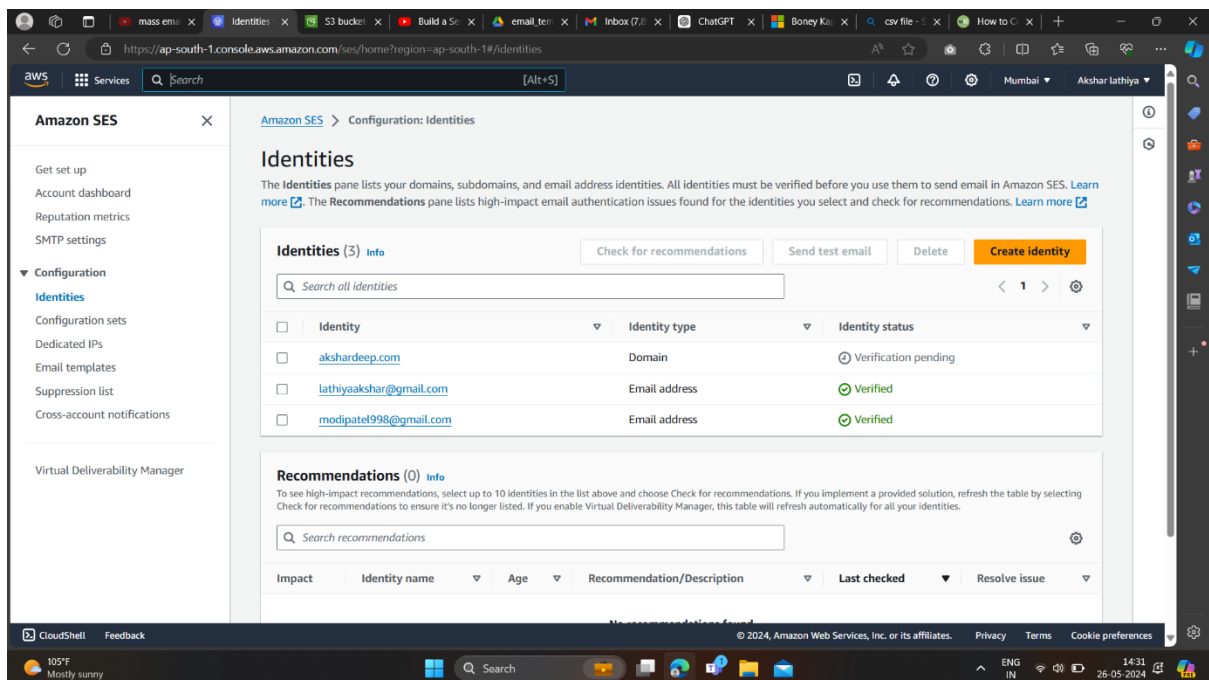


Configure SES service

Firstly , the email ID is verified before configuring ses service.

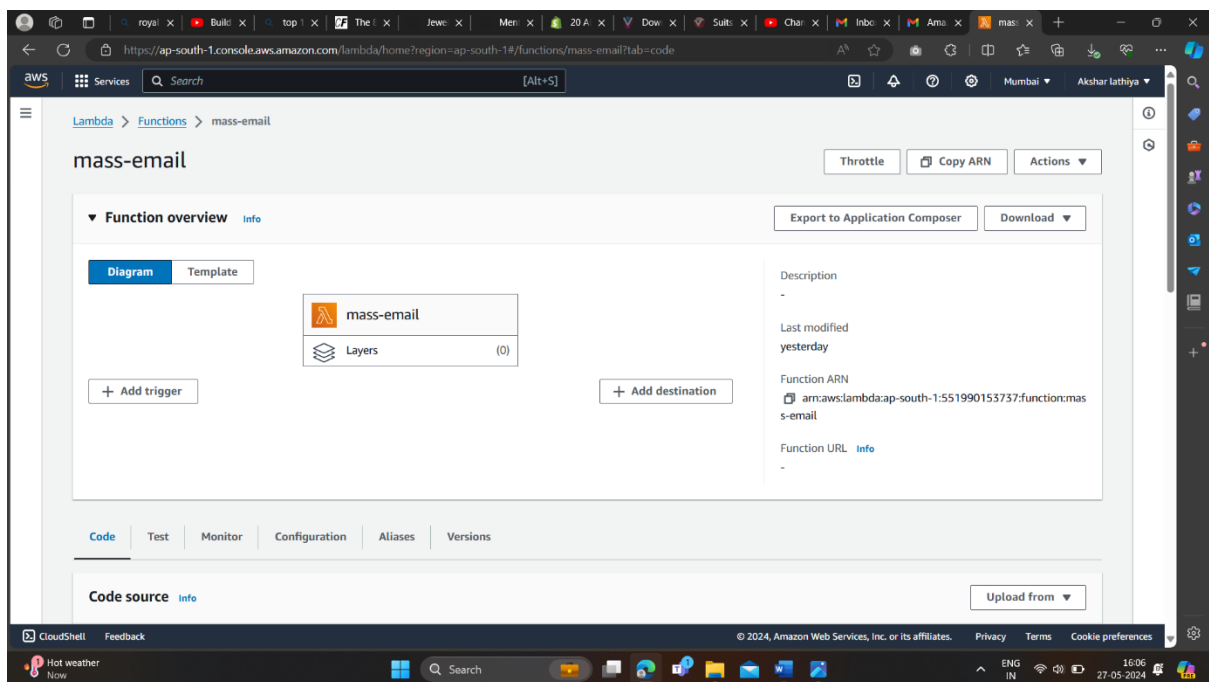
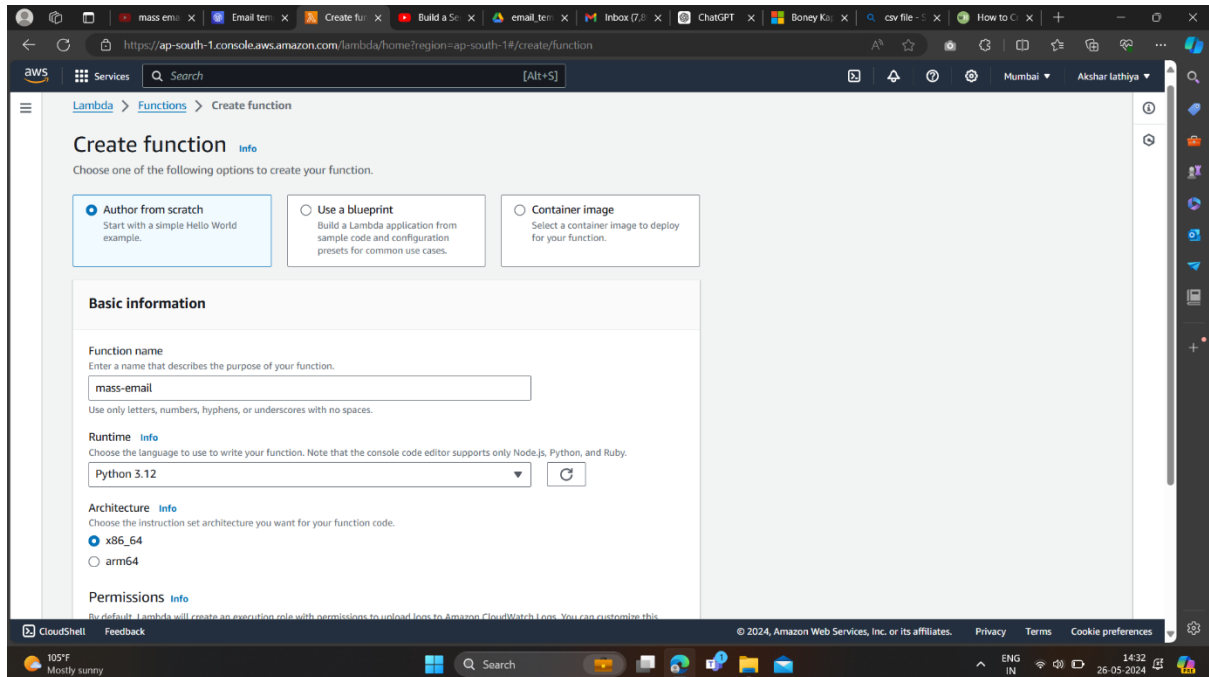


Now add list of all email ID in identities in SES service.

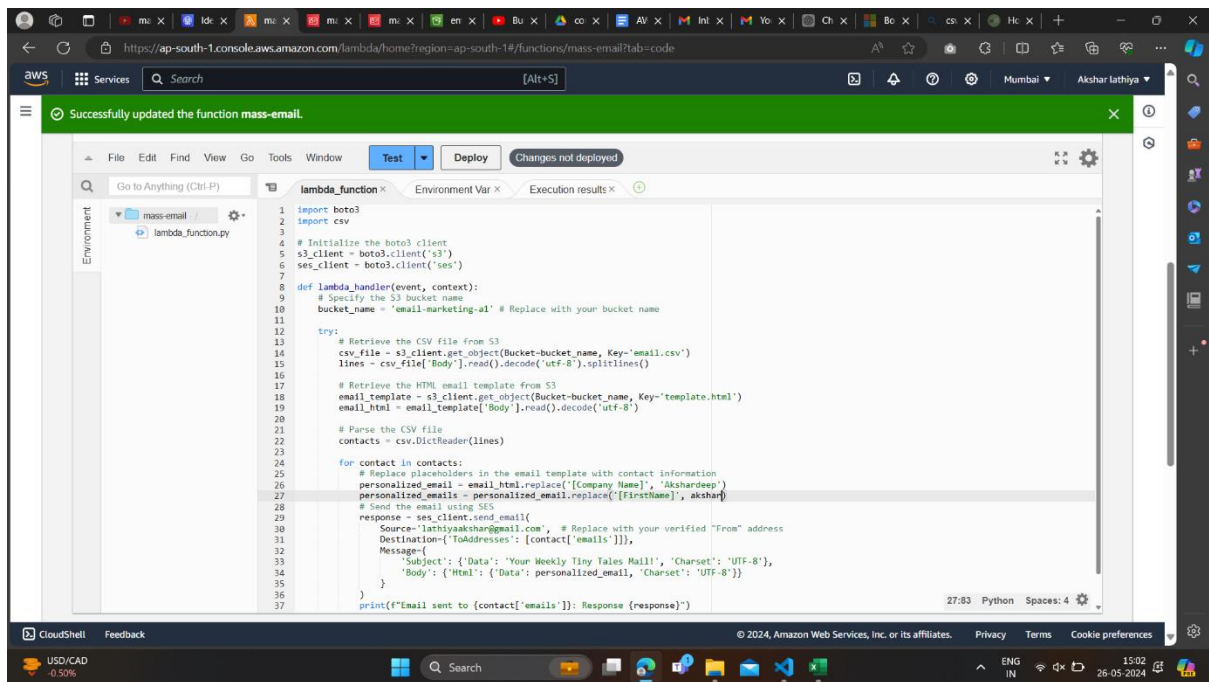


Configure Lambda function

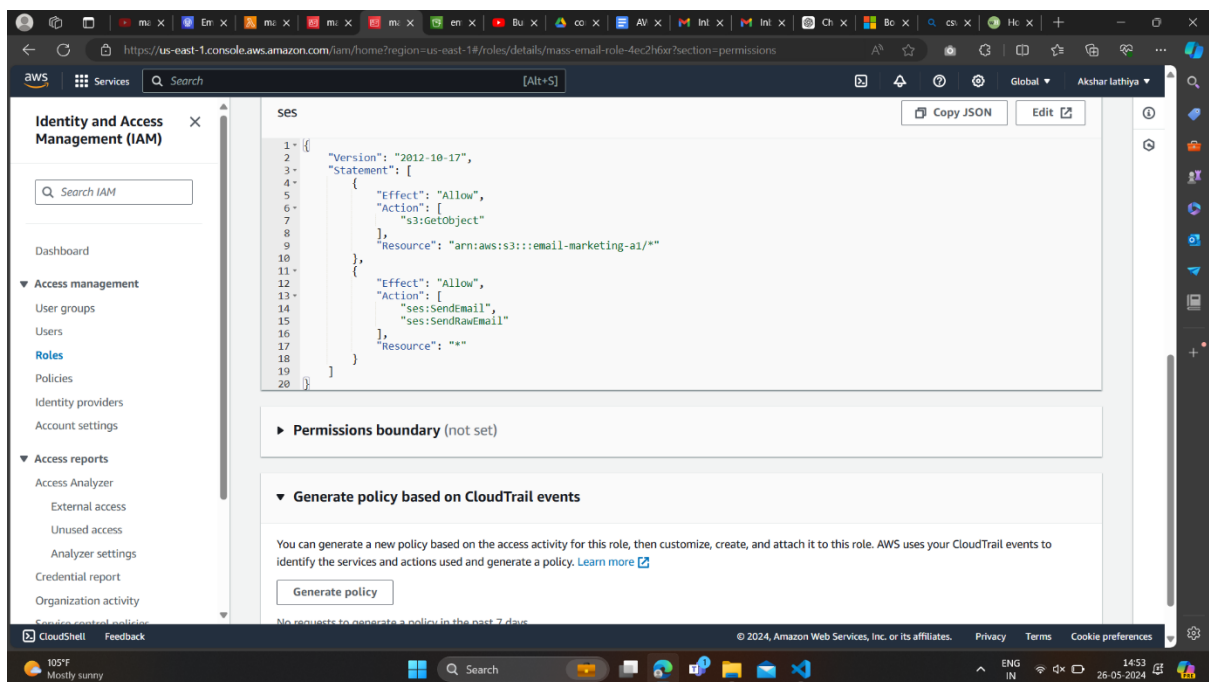
Create a lambda function with python 3.12 as a runtime .



Now add python code and deploy.



Configure IAM role with the SES and S3 bucket policy.



After testing the email is sent to everybody listed in csv file.

