

3. Serverless Data Processing Pipeline

Objective: Build a serverless pipeline for processing data (e.g., log processing or ETL jobs).

Approach:

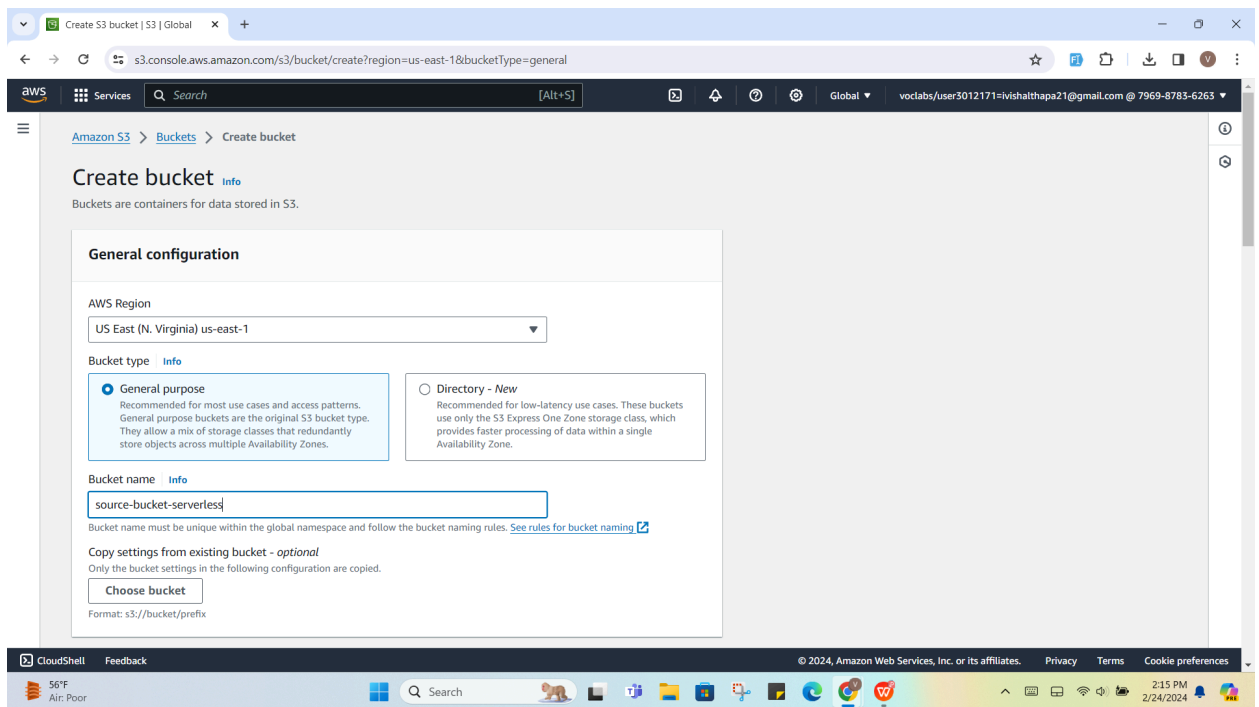
- **Data Ingestion:** Use AWS services like S3 or Kinesis to ingest data.
- **Processing:** Create Lambda functions to process the ingested data.
- **Storage:** Store the processed data in an appropriate AWS service, like S3 or DynamoDB.
- **Monitoring:** Set up CloudWatch to monitor the pipeline's performance and to log any issues.

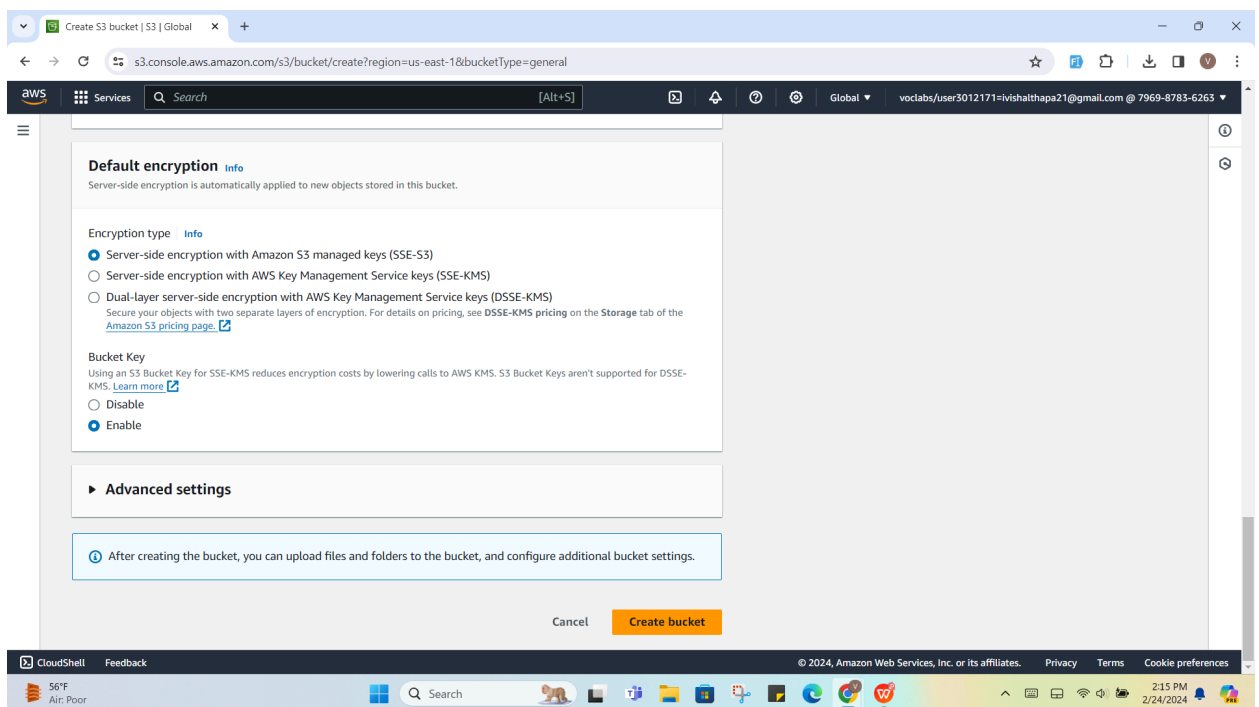
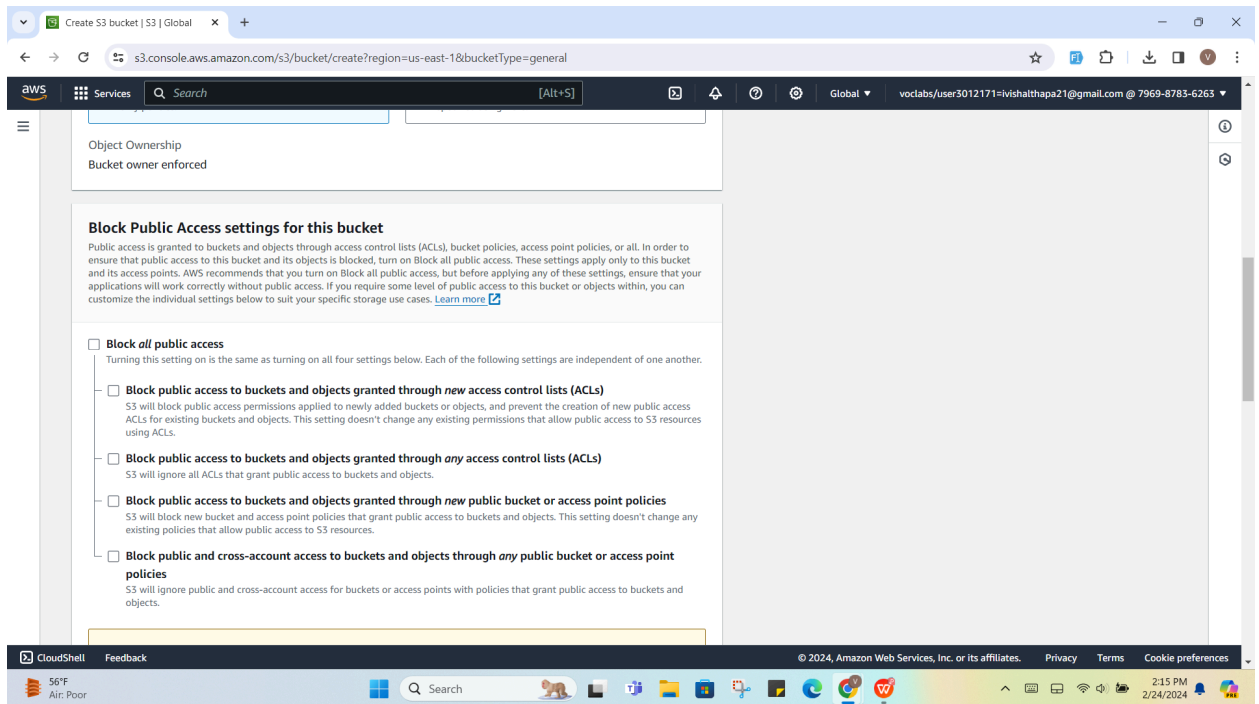
Goal: Learn to build a serverless data processing pipeline, understanding the flow of data through various AWS services.

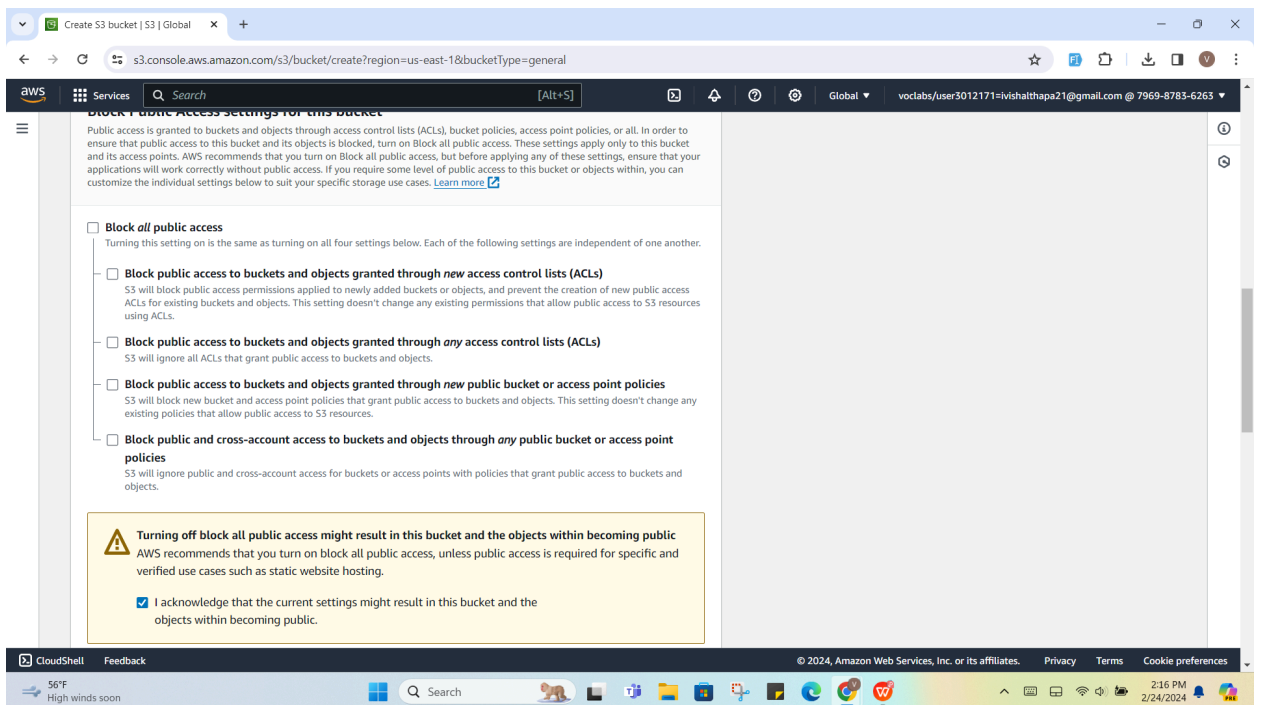
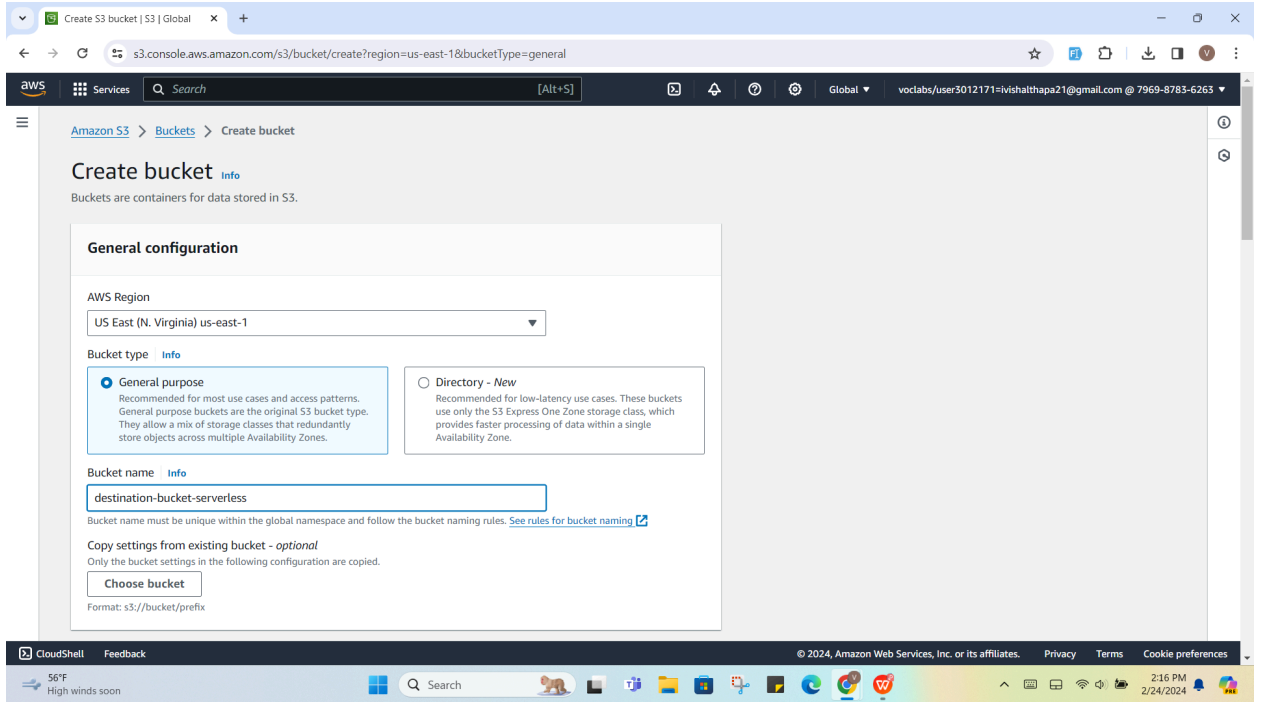
Q. lab to read the test file and process the file to convert in uppercase.

SOLUTION:

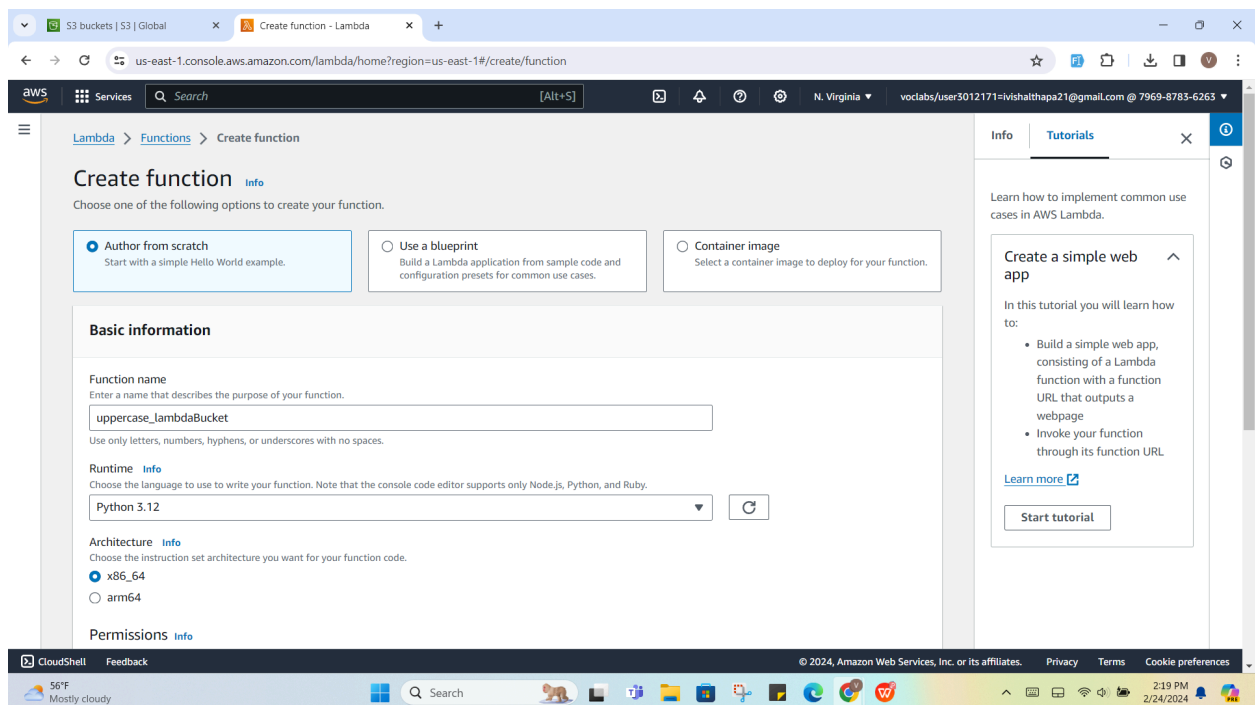
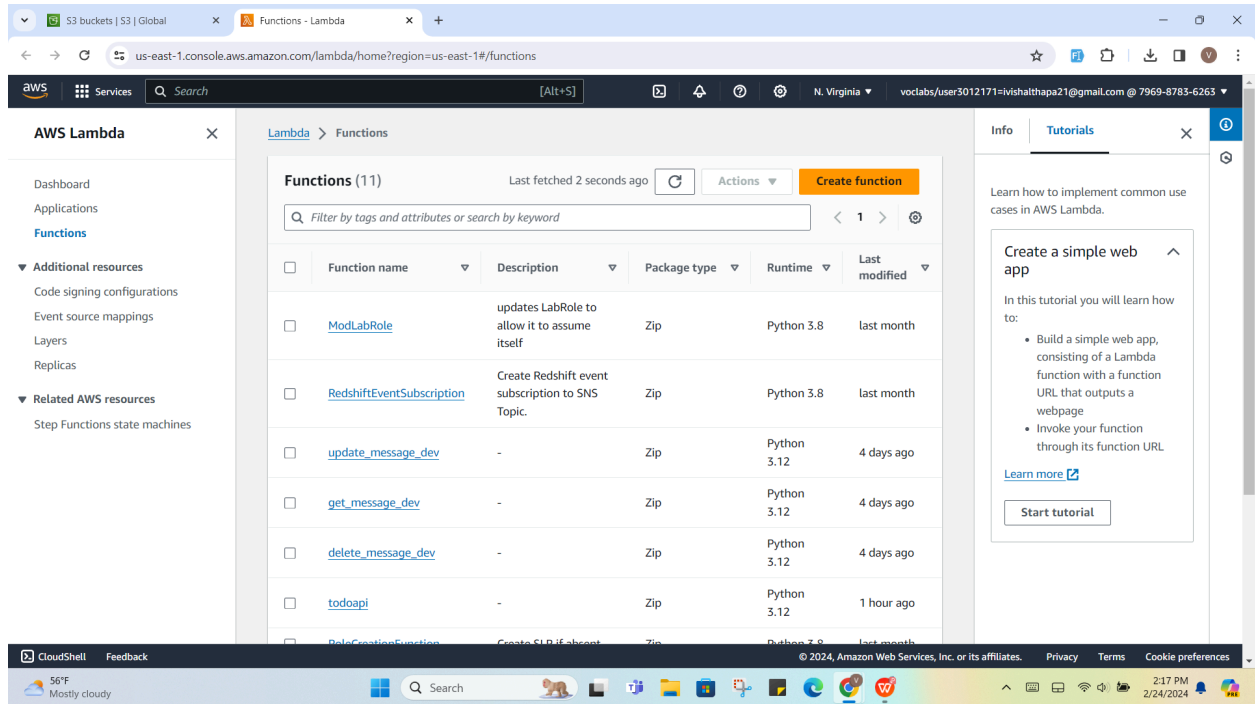
1. Since we will be working with the source file and storing the processed file in a separate folder , we need to create two buckets as source bucket and destination bucket.

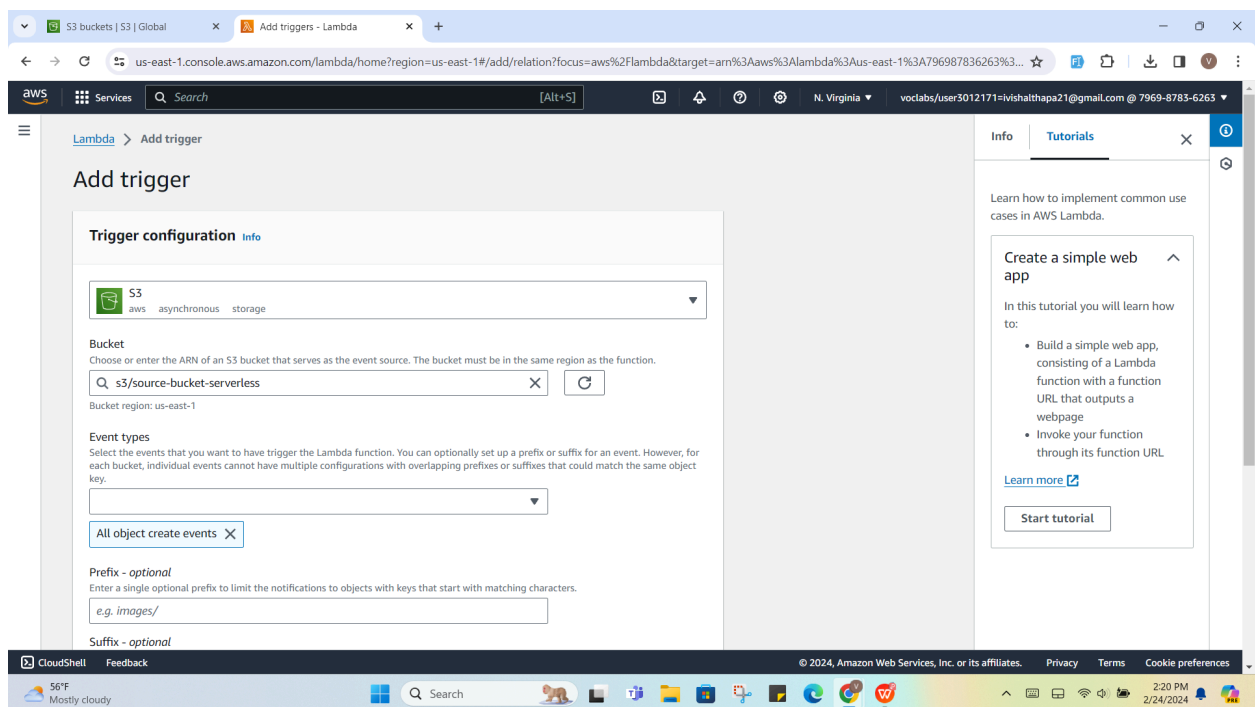
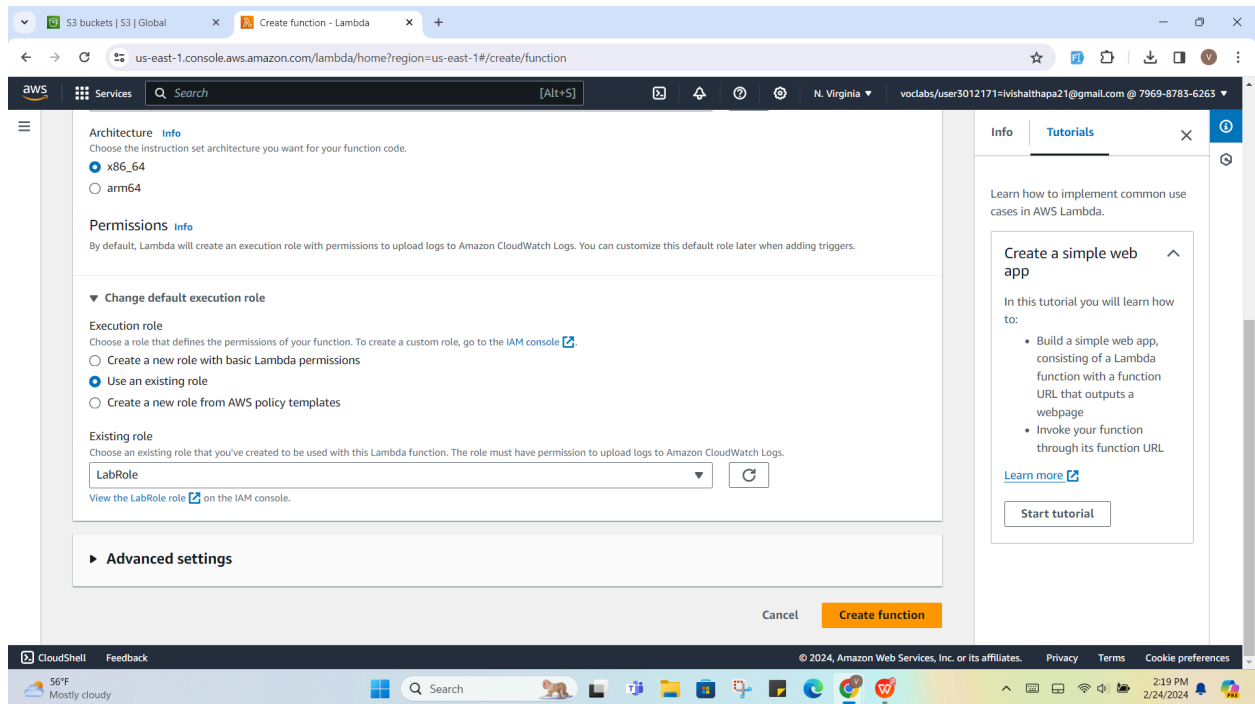


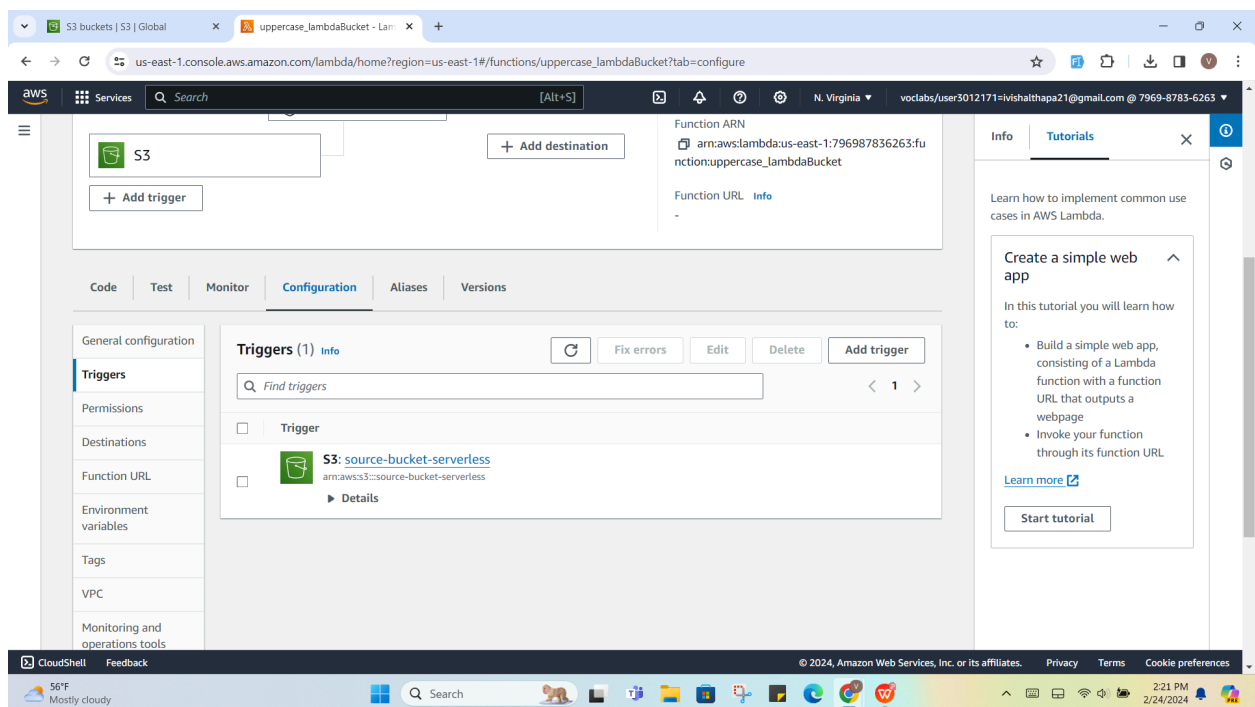
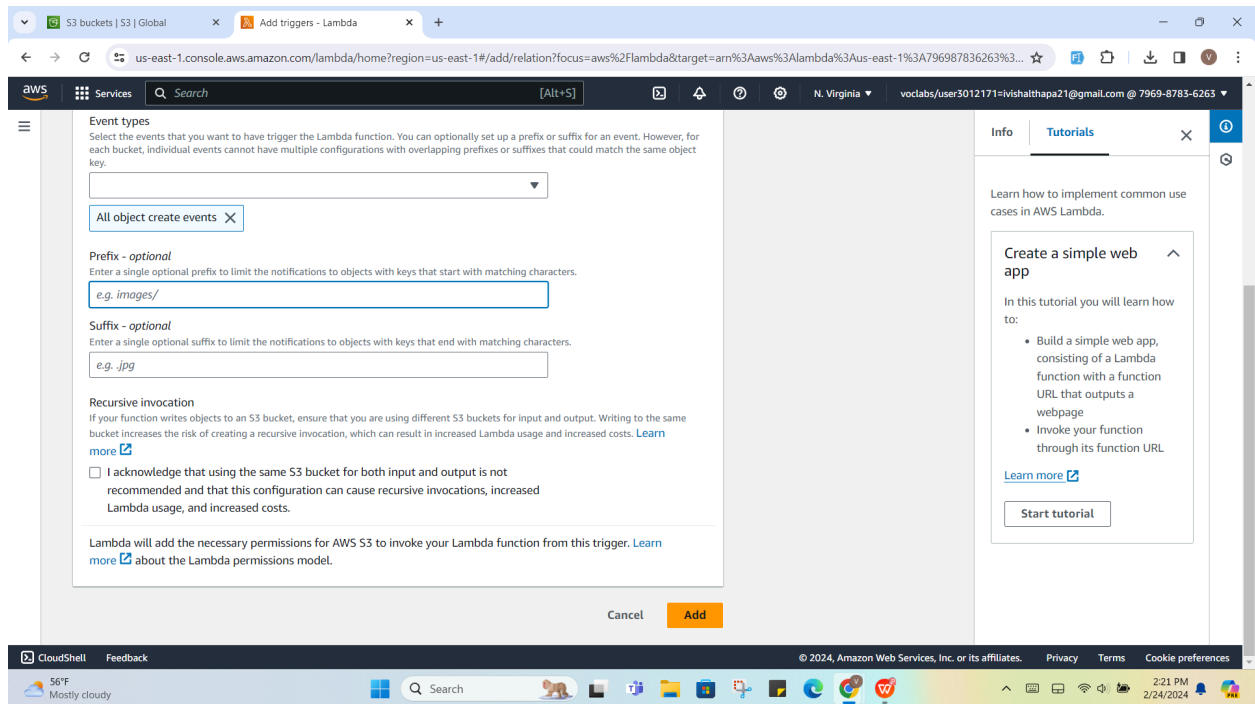




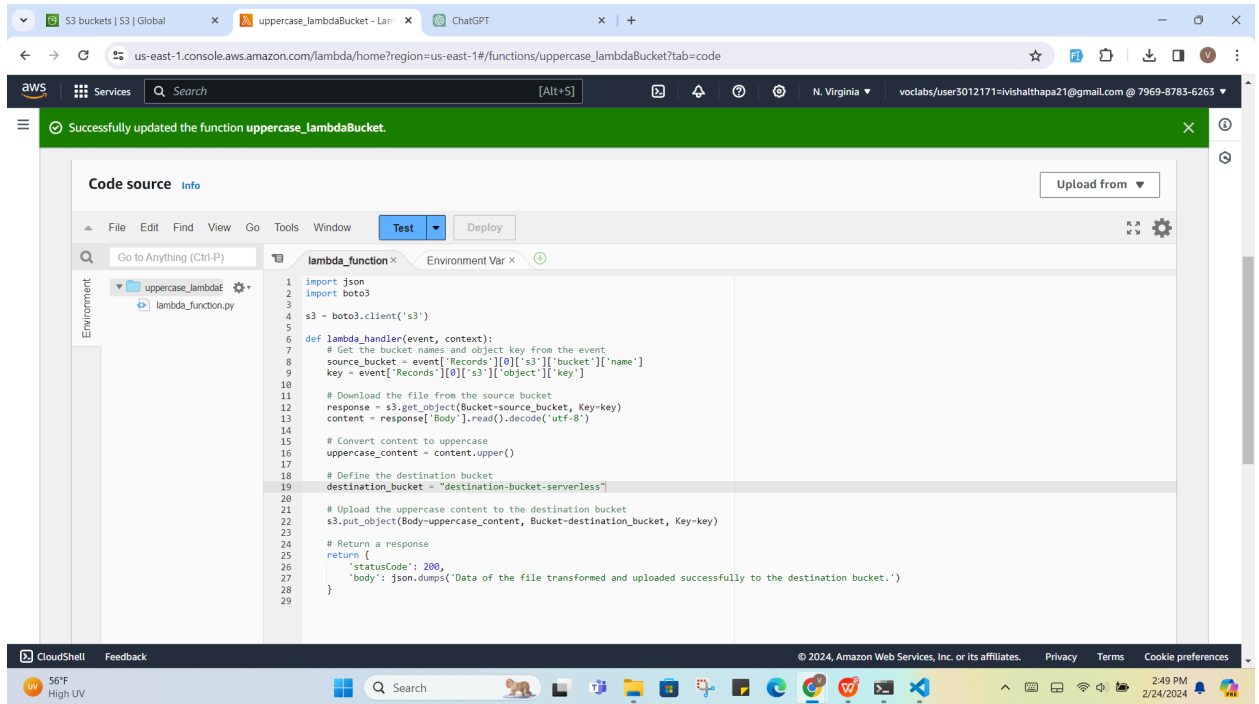
2. Create lambda function and add a trigger as a s3 note add necessary details







- Now write code in lambda to read the input file and convert into uppercase and put in destination folder



- Cloudwatch to monitor the lambda log from log groups

