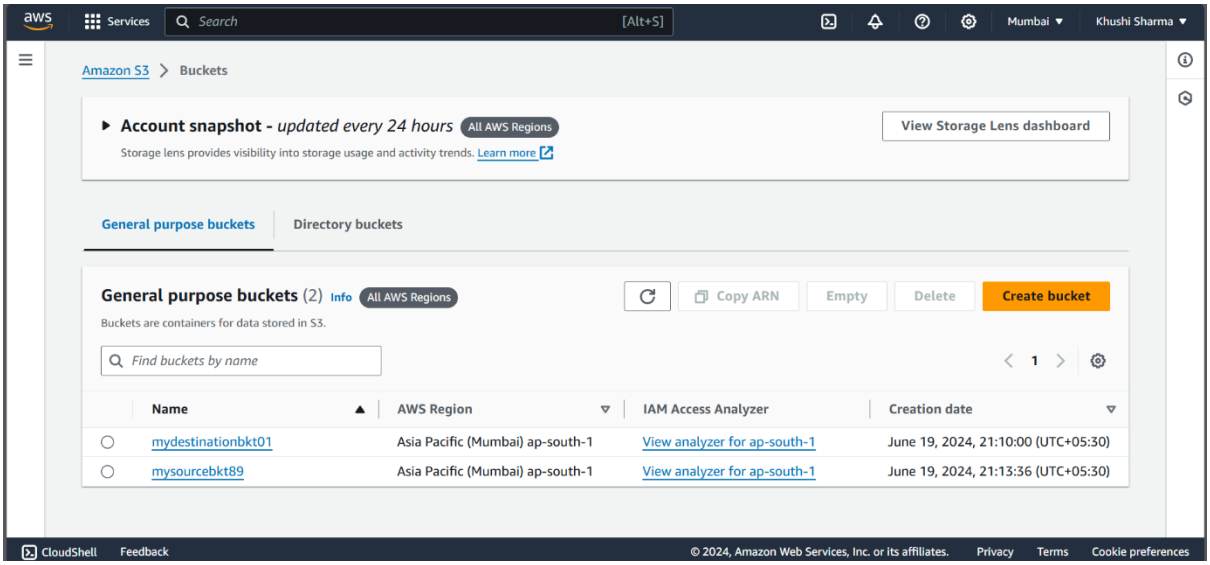
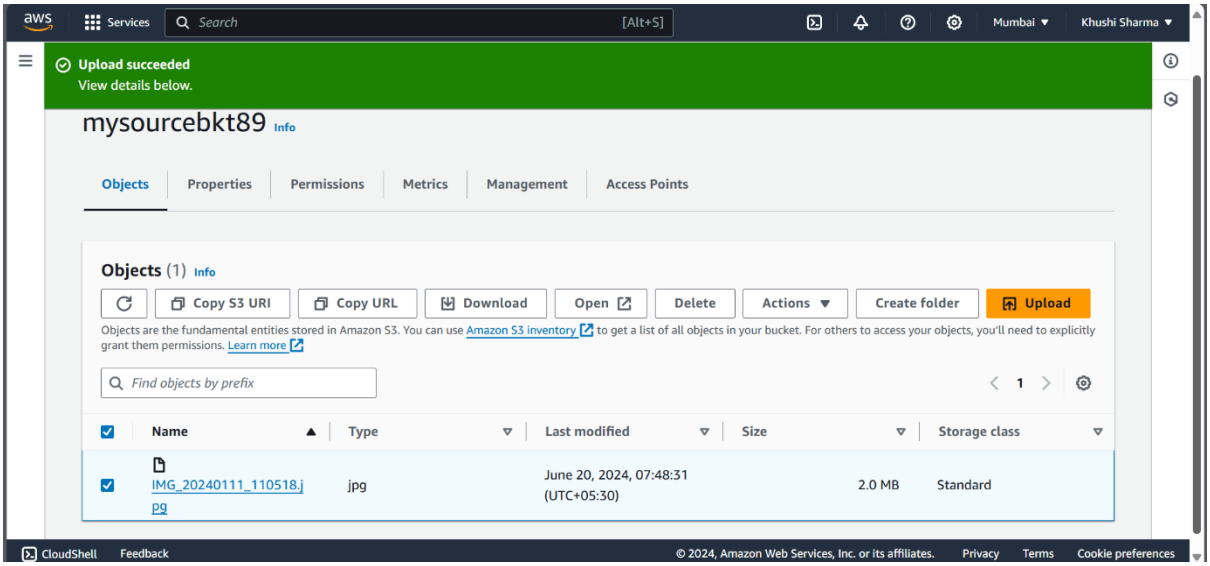
PROJECT 1

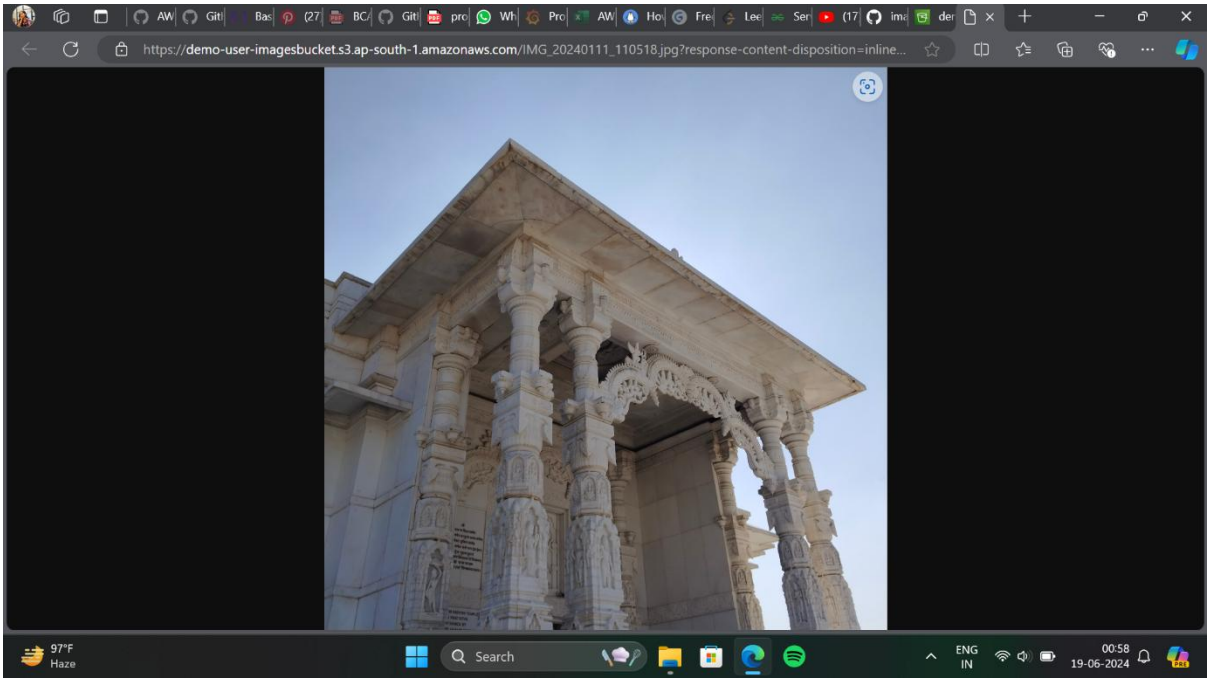
STEP 1: CREATE TWO BUCKETS.

1. Source Bucket
2. Destination Bucket

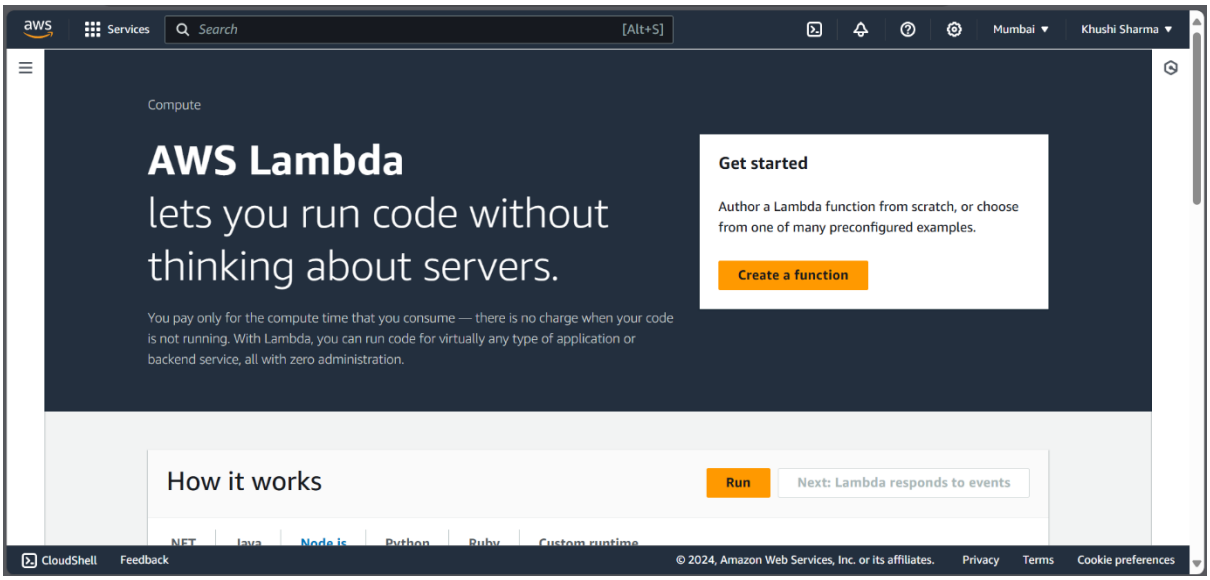


Upload the image in the source bucket.



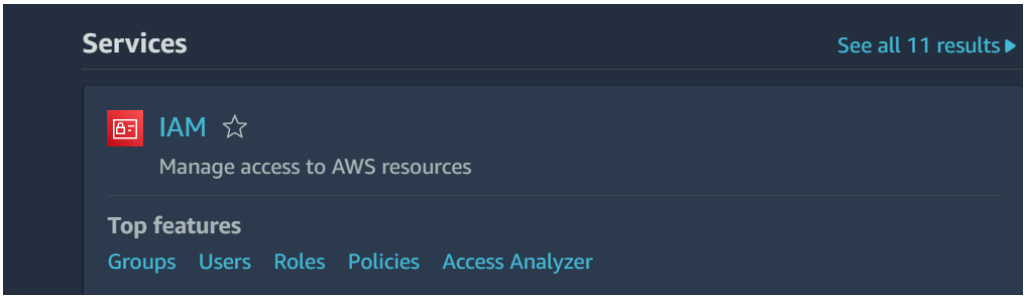


STEP 2: CREATE LAMBDA FUNCTION

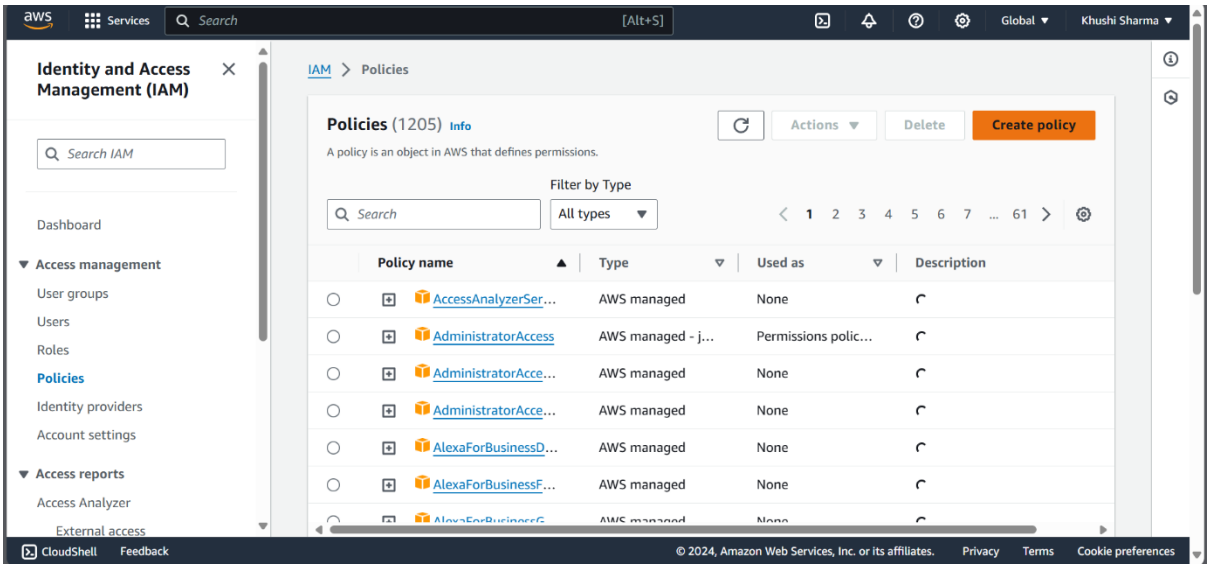


Option: author from scratch
Function Name : khushifunction
Runtime: Node.js 18.x
Architecture: x86_64

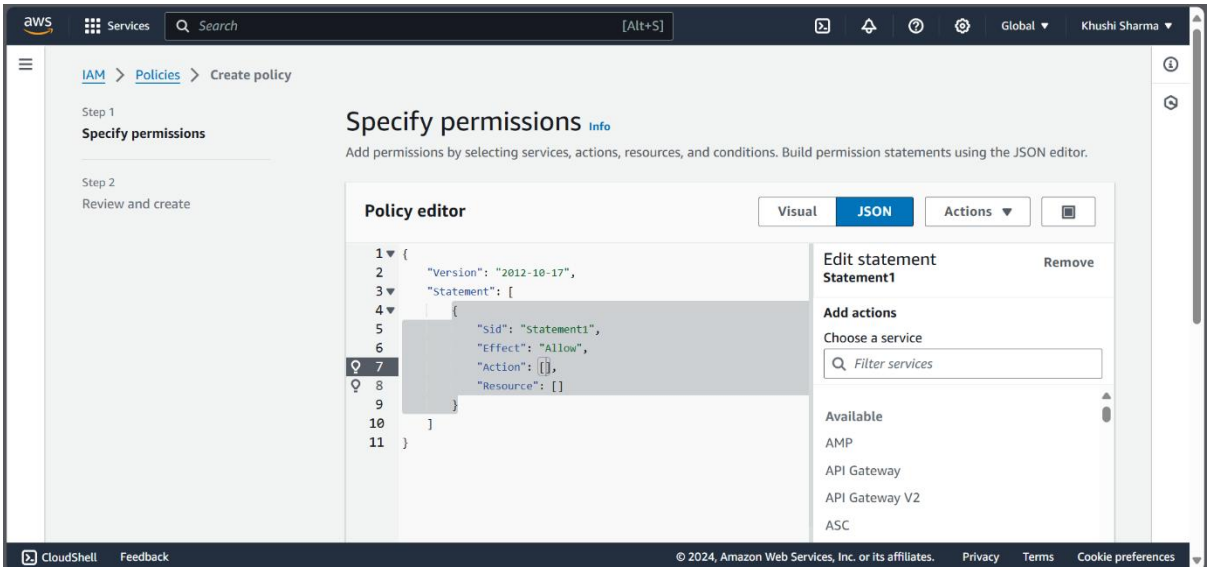
Go to IAM console.
Search IAM



Then go to policies.



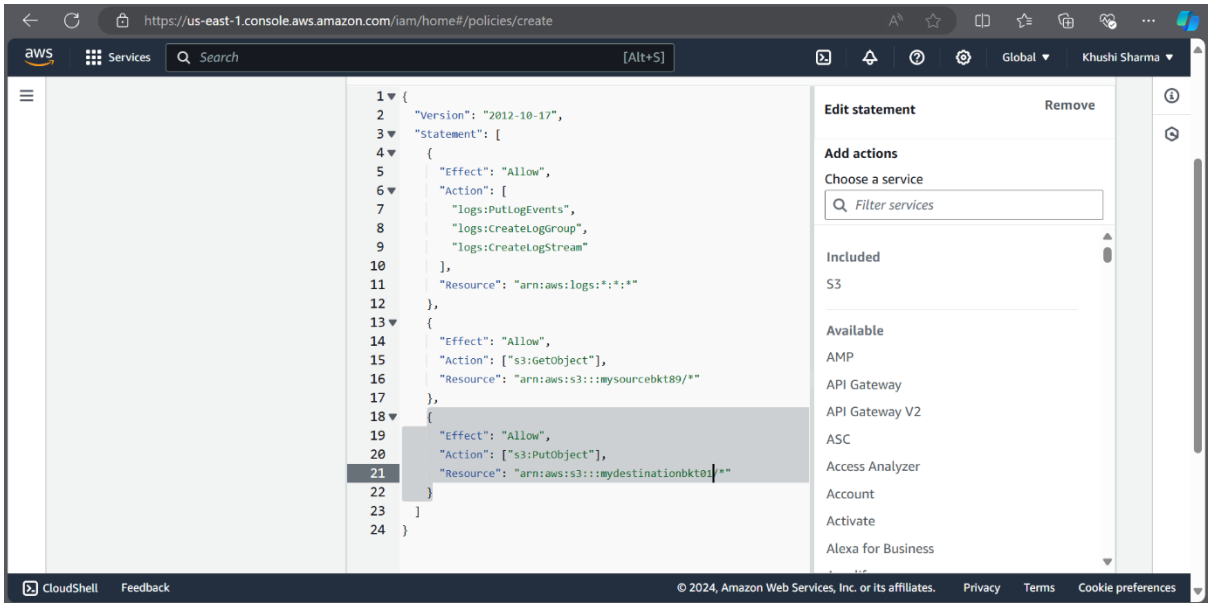
And create the policy.



Click on JSON
And replace the original code with the new one that you have created.

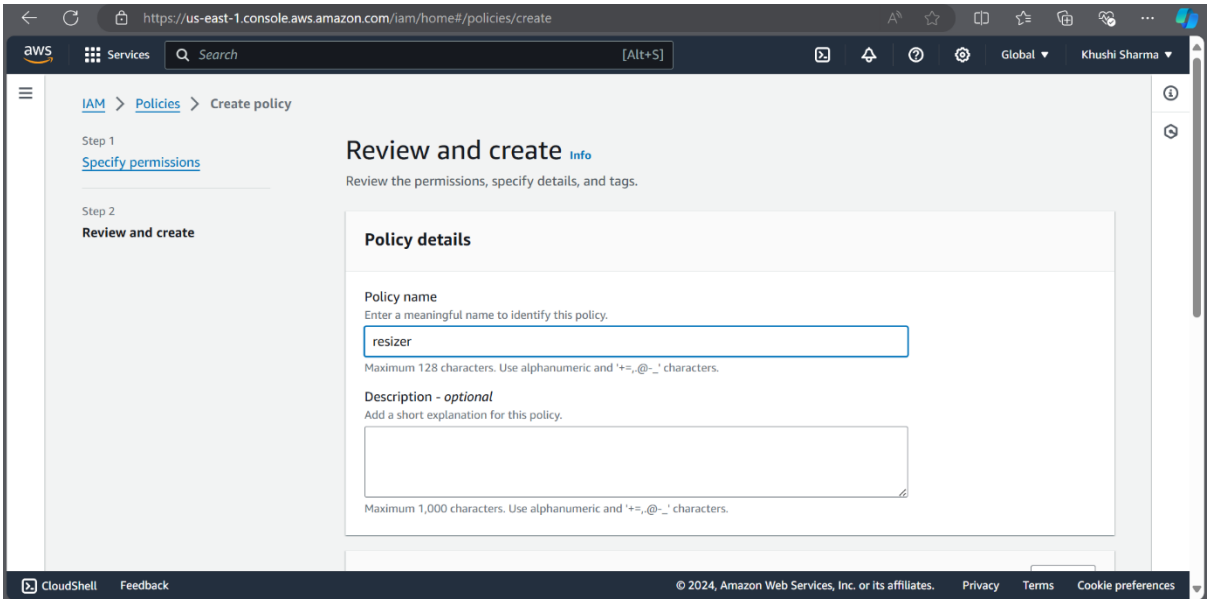
```
{
 "Version": "2012-10-17",
 "Statement": [
  {
   "Effect": "Allow",
   "Action": [
    "logs:PutLogEvents",
    "logs:CreateLogGroup",
    "logs:CreateLogStream"
   ],
   "Resource": "arn:aws:logs:*:*:*"
  },
  {
   "Effect": "Allow",
   "Action": ["s3:GetObject"],
   "Resource": "arn:aws:s3:::BUCKET_NAME/*"
  },
  {
   "Effect": "Allow",
   "Action": ["s3:PutObject"],
   "Resource": "arn:aws:s3:::DEST_BUCKET/*"
  }
 ]
}
```

Edit the resources with the buckets you have created.



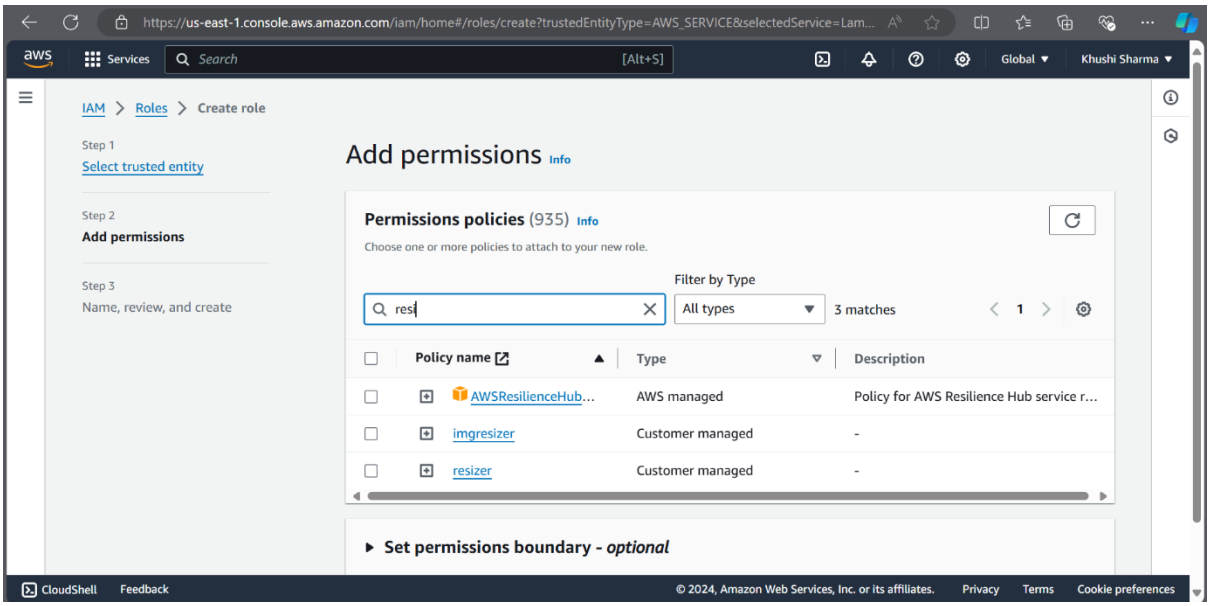
Then click next.

Policy details :
. policy name : resizer



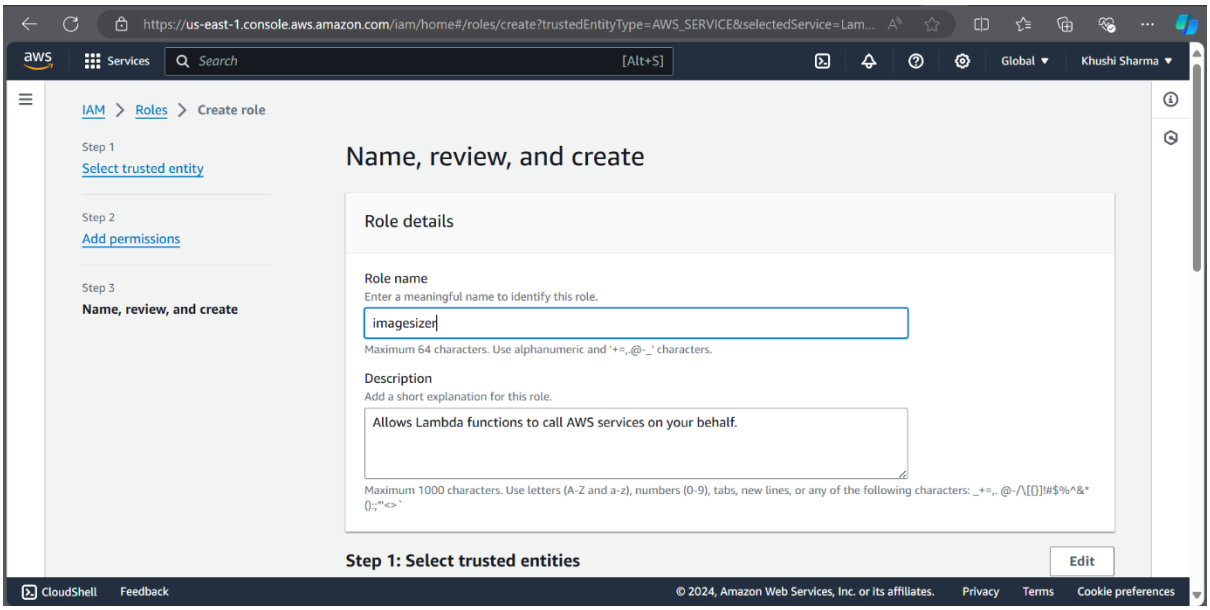
Create policy.

Create role.
And choose case : Lambda.
In add permissions search your policy that you have created.



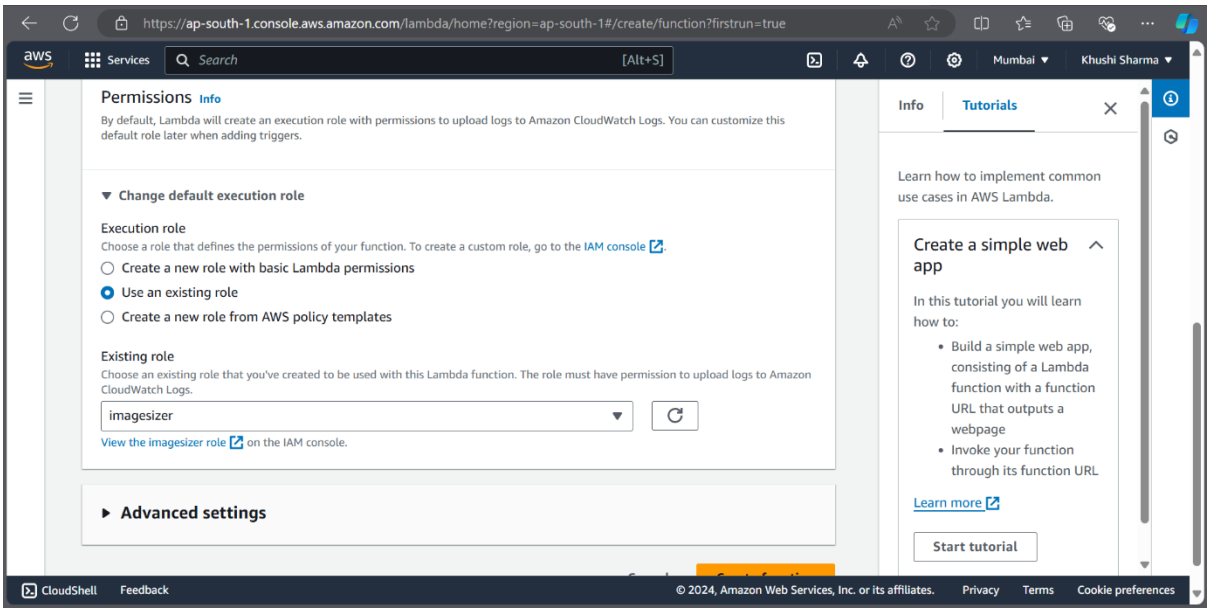
Then click next.

Role details –
Role name : imagesizer.



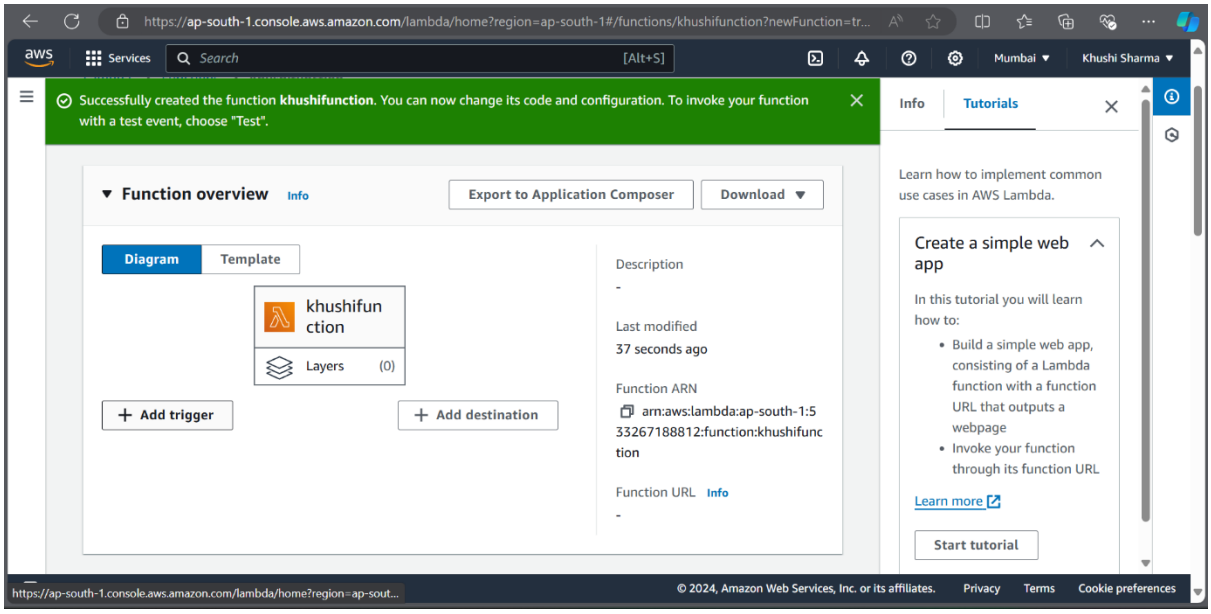
Click on create role .

Then go to lambda function.
The use an existing role.

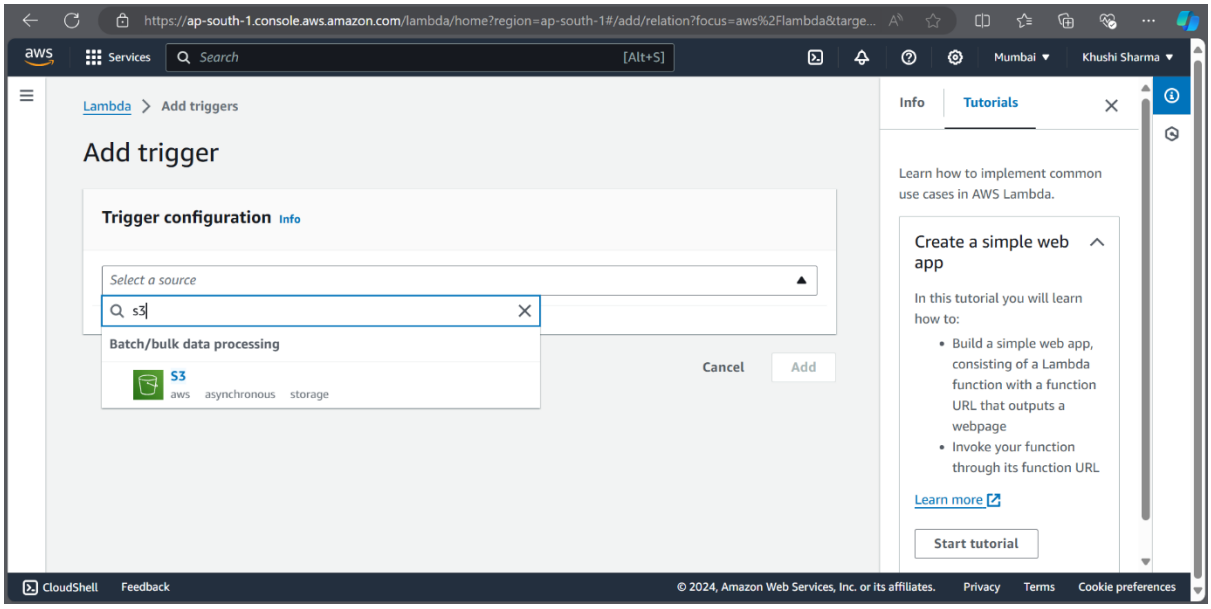


Then click on create function.

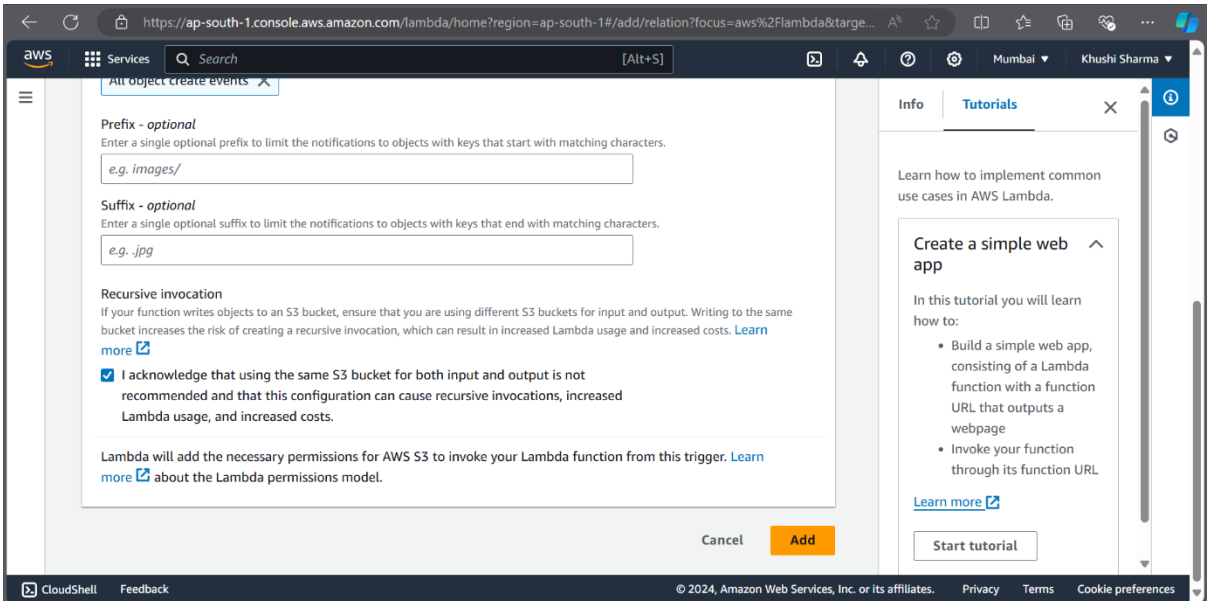
Then go to add trigger.



Then select the source : S3

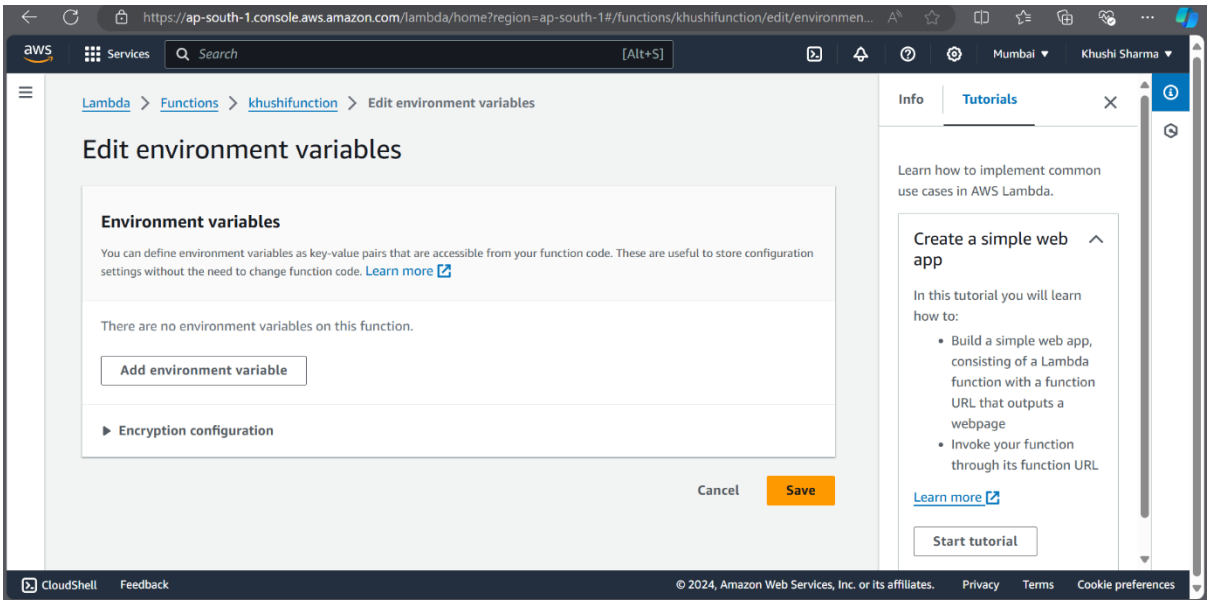


Select your source bucket.

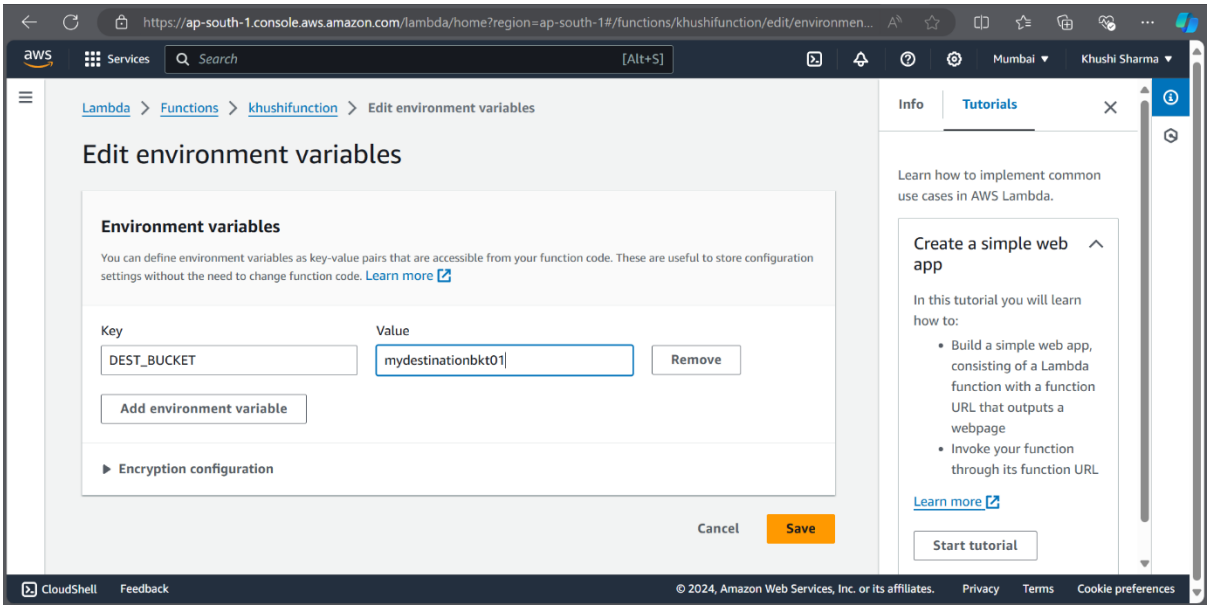


Then add.

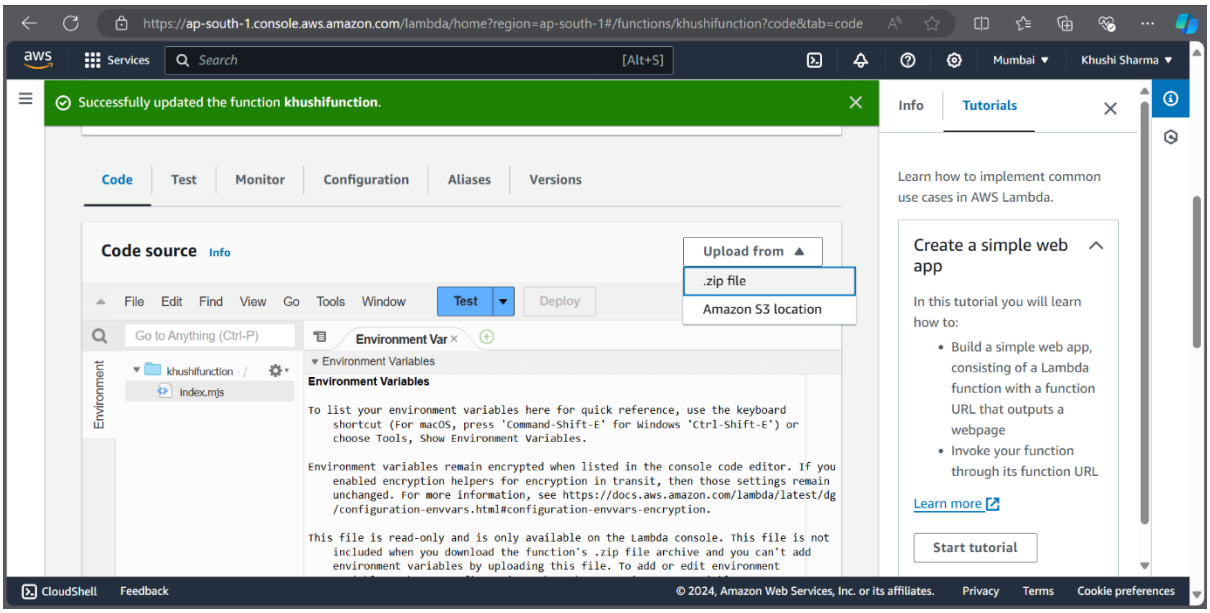
Go to environmental variables.

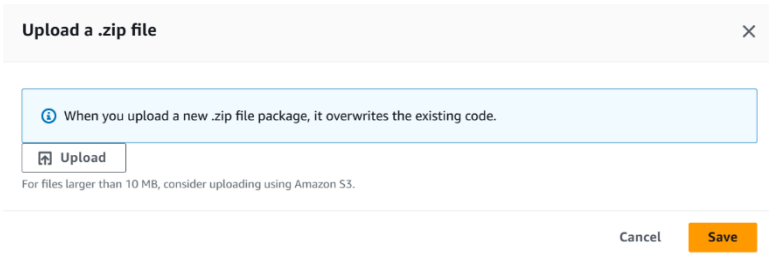


KEY: DEST_NAME
VALUE: mydestinationbkt01

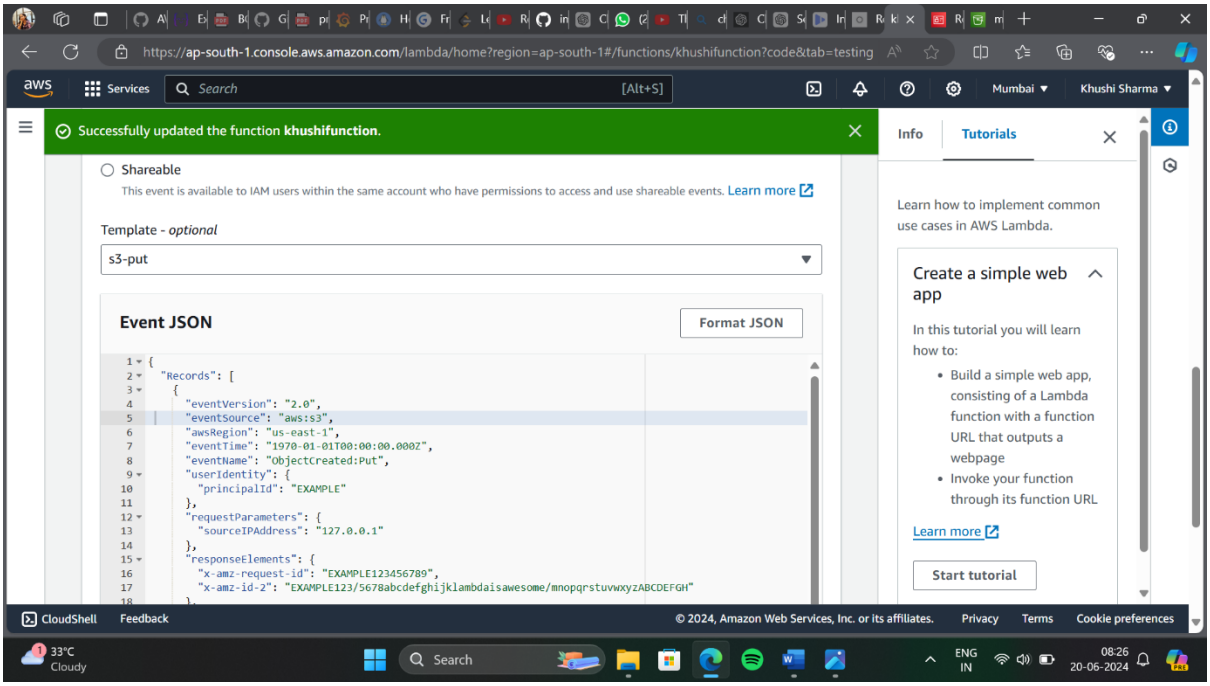


Go to code and upload your downloaded zip file.





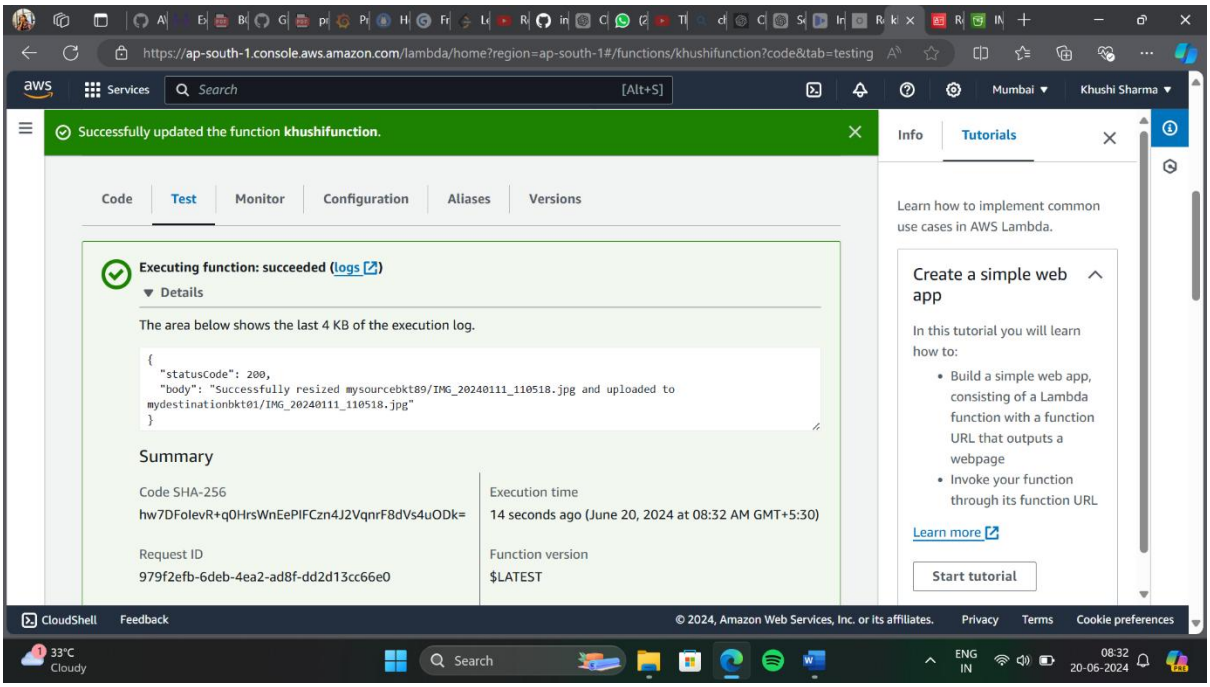
Go to test.
Select s3put in template



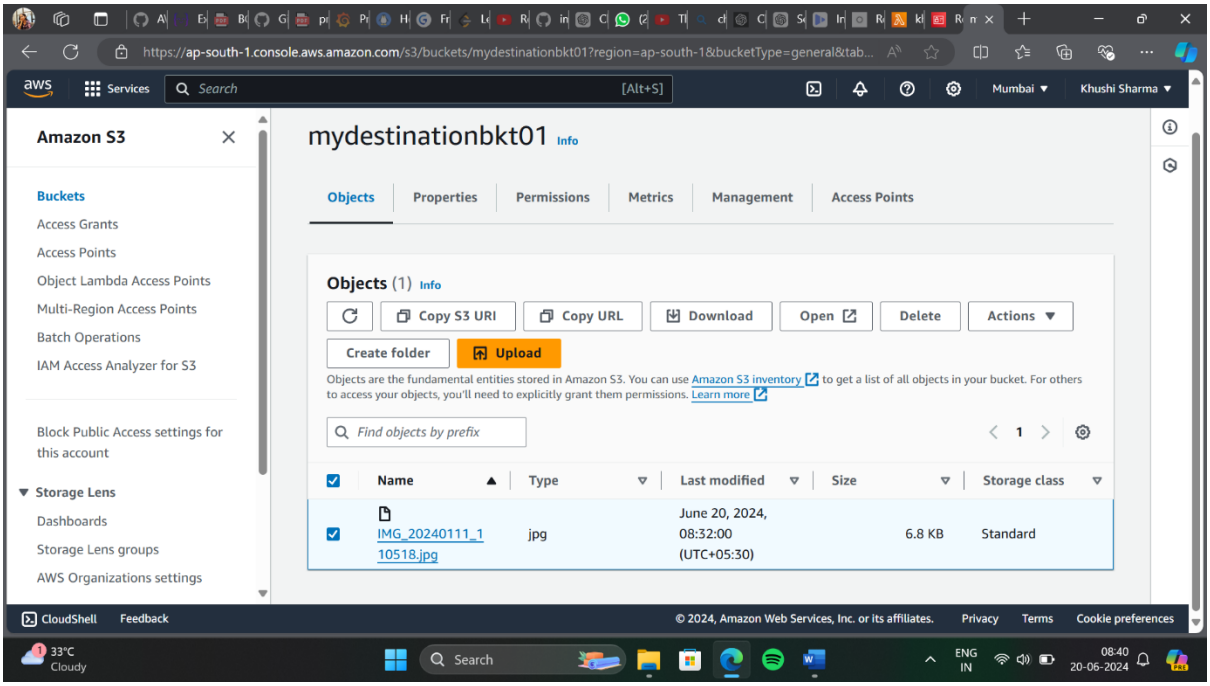

```
{
 "Records": [
  {
   "eventVersion": "2.0",
   "eventSource": "aws:s3",
   "awsRegion": "us-east-1",
   "eventTime": "1970-01-01T00:00:00.000Z",
   "eventName": "ObjectCreated:Put",
   "userIdentity": {
    "principalId": "EXAMPLE"
   },
   "requestParameters": {
    "sourceIPAddress": "127.0.0.1"
   },
   "responseElements": {
    "x-amz-request-id": "EXAMPLE123456789",
    "x-amz-id-2":
"EXAMPLE123/5678abcdefghijklambdaisawesome/mnopqrstuvwxyzABCDEFGH"
   },
   "s3": {
    "s3SchemaVersion": "1.0",
```

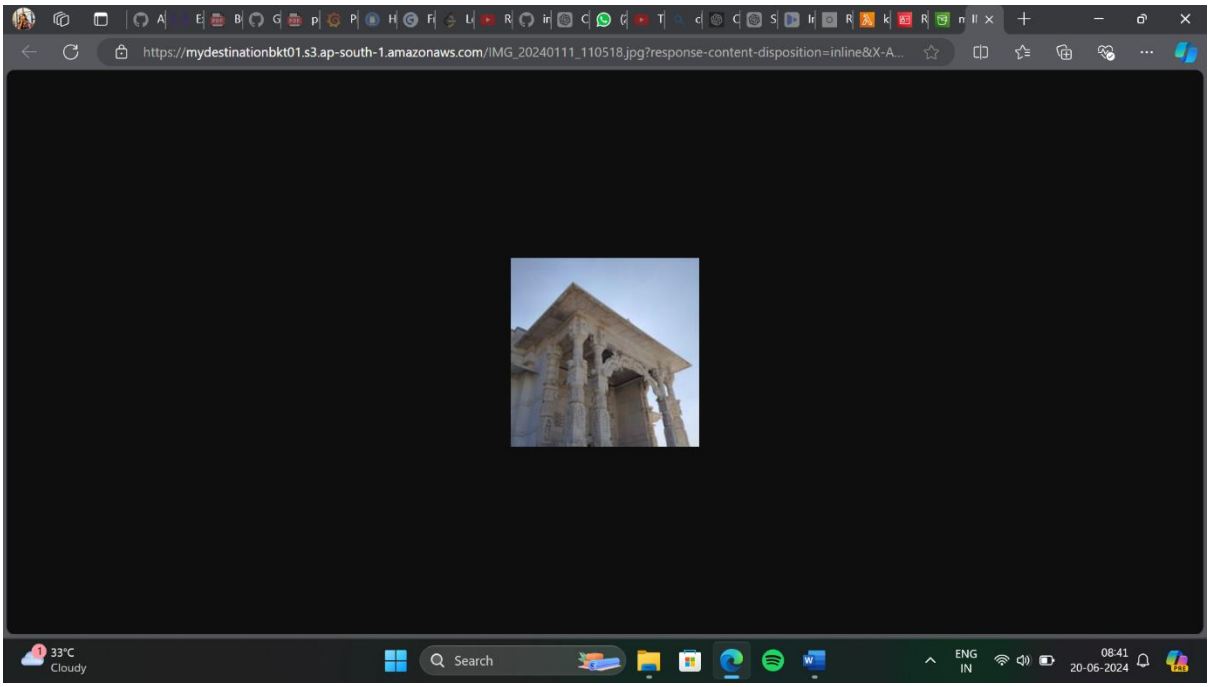
```
      "configurationId": "testConfigRule",
      "bucket": {
        "name": "mysourcebkt89",
        "ownerIdentity": {
          "principalId": "EXAMPLE"
        },
        "arn": "arn:aws:s3:::mysourcebkt89"
      },
      "object": {
        "key": "IMG_20240111_110518.jpg",
        "size": 1024,
        "eTag": "0123456789abcdef0123456789abcdef",
        "sequencer": "0A1B2C3D4E5F678901"
      }
    }
  }
 ]
}
```

Click on test.



Then go to your destination bucket. See there will be an resized image will be there.


https://ap-south-1.console.aws.amazon.com/s3/buckets/mydestinationbkt01?region=ap-south-1&bucketType=general&tab...
aws
Services
Search
[Alt+S]
Mumbai
Khushi Sharma
Amazon S3
Buckets
Access Grants
Access Points
Object Lambda Access Points
Multi-Region Access Points
Batch Operations
IAM Access Analyzer for S3
Block Public Access settings for this account
Storage Lens
Dashboards
Storage Lens groups
AWS Organizations settings
mydestinationbkt01 Info
Objects
Properties
Permissions
Metrics
Management
Access Points
Objects (1) Info
Copy S3 URI
Copy URL
Download
Open
Delete
Actions
Create folder
Upload
Objects are the fundamental entities stored in Amazon S3. You can use Amazon S3 inventory to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. Learn more
Find objects by prefix
Name
Type
Last modified
Size
Storage class
IMG_20240111_110518.jpg
jpg
June 20, 2024, 08:32:00 (UTC+05:30)
6.8 KB
Standard
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences
33°C
Cloudy
Search
ENG
IN
08:40
20-06-2024


https://mydestinationbkt01.s3.ap-south-1.amazonaws.com/IMG_20240111_110518.jpg?response-content-disposition=inline&X-A...
33°C
Cloudy
Search
ENG
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08:41
20-06-2024