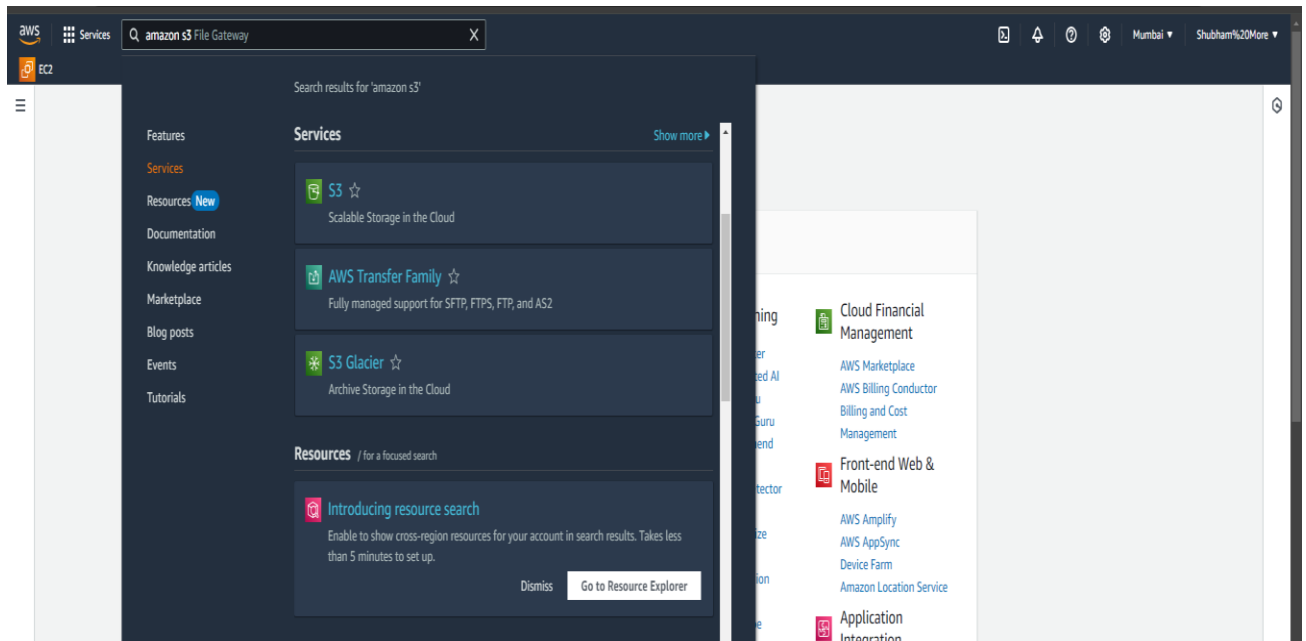


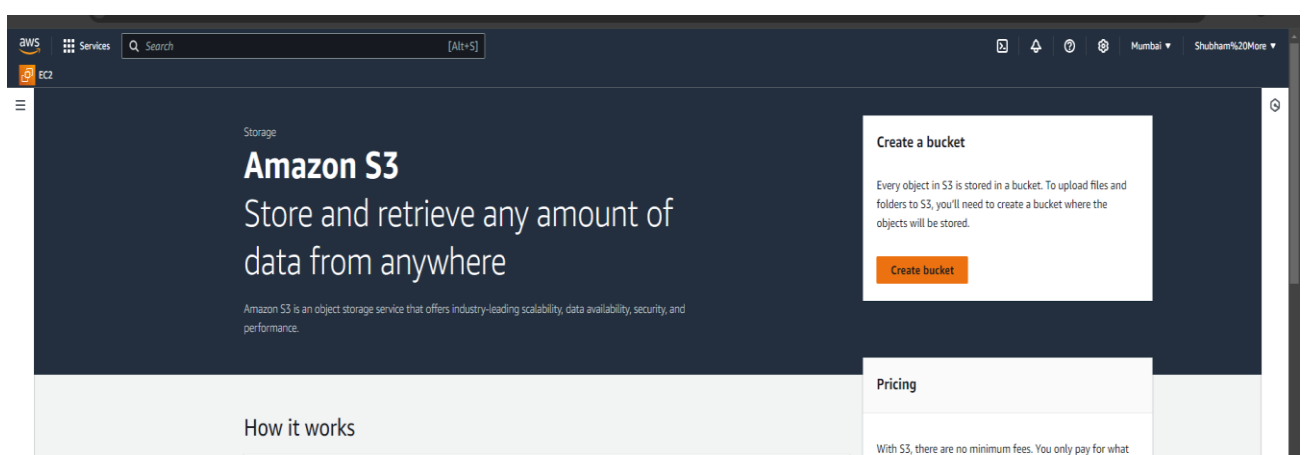
PRACTICAL - 6

Aim : Create a bucket for storing files using S3 in AWS (Simple Storage Service).

Step 1: In the first step go to services in AWS console and choose S3 service



Step 2: Click on Create bucket.



Step 3: Give bucket name and keep things as default and click on create bucket .

Amazon S3 > Buckets > Create bucket

Create bucket [Info](#)

Buckets are containers for data stored in S3.

General configuration

AWS Region
Asia Pacific (Mumbai) ap-south-1

Bucket name [Info](#)

Bucket name must be unique within the global namespace and follow the bucket naming rules. [See rules for bucket naming](#)

Copy settings from existing bucket - optional
Only the bucket settings in the following configuration are copied.

Format: s3://bucket/prefix

Object Ownership [Info](#)

Control ownership of objects written to this bucket from other AWS accounts and the use of access control lists (ACLs). Object ownership determines who can specify access to objects.

☒ **ACLs disabled (recommended)**
All objects in this bucket are owned by this account. Access to this bucket and its objects is specified using only policies.

☐ **ACLs enabled**
Objects in this bucket can be owned by other AWS accounts. Access to this bucket and its objects can be specified using ACLs.

Object Ownership
Bucket owner enforced

Tags - optional (0)
You can use bucket tags to track storage costs and organize buckets. [Learn more](#)

No tags associated with this bucket.

Default encryption [Info](#)

Server-side encryption is automatically applied to new objects stored in this bucket.

Encryption type [Info](#)

☒ **Server-side encryption with Amazon S3 managed keys (SSE-S3)**

☐ Server-side encryption with AWS Key Management Service keys (SSE-KMS)

☐ Dual-layer server-side encryption with AWS Key Management Service keys (DSSE-KMS)
Secure your objects with two separate layers of encryption. For details on pricing, see [DSSE-KMS pricing on the Storage tab of the Amazon S3 pricing page](#).

Bucket Key
Using an S3 Bucket Key for SSE-KMS reduces encryption costs by lowering calls to AWS KMS. S3 Bucket Keys aren't supported for DSSE-KMS. [Learn more](#)

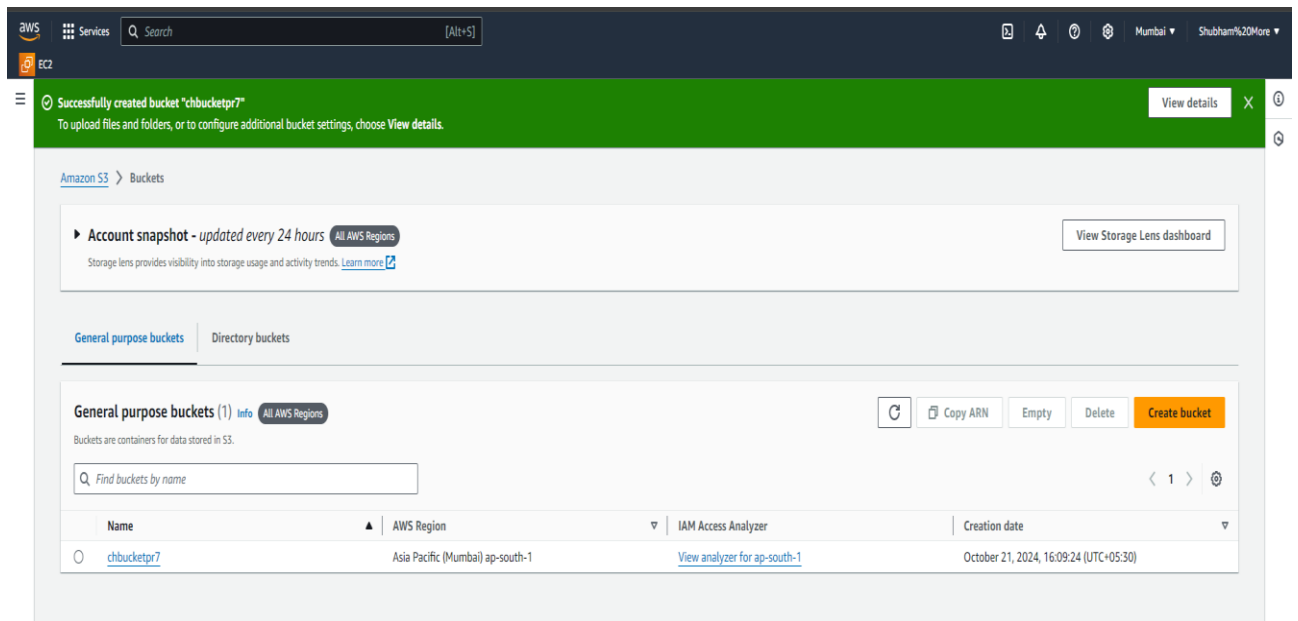
☐ Disable

☒ **Enable**

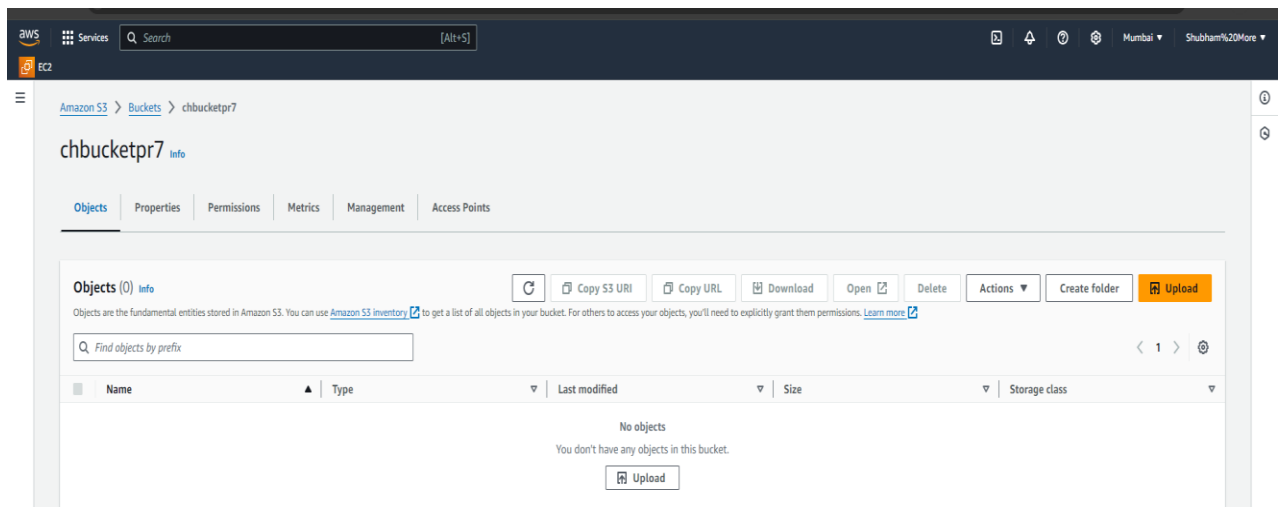
► Advanced settings

After creating the bucket, you can upload files and folders to the bucket, and configure additional bucket settings.

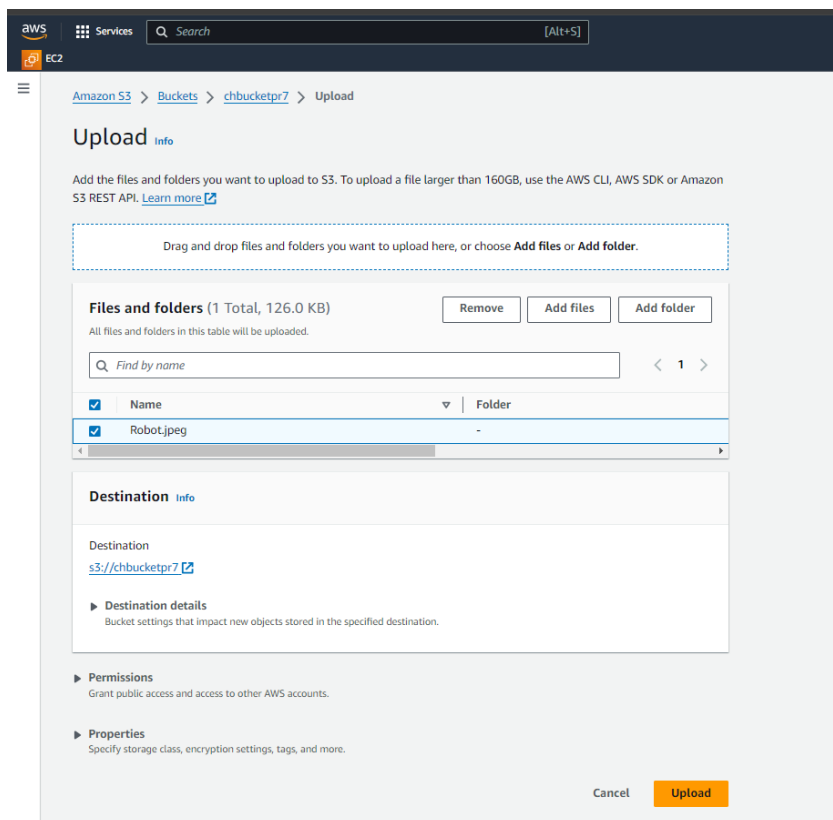
Step 4: We successfully created bucket. Now click on bucket name.



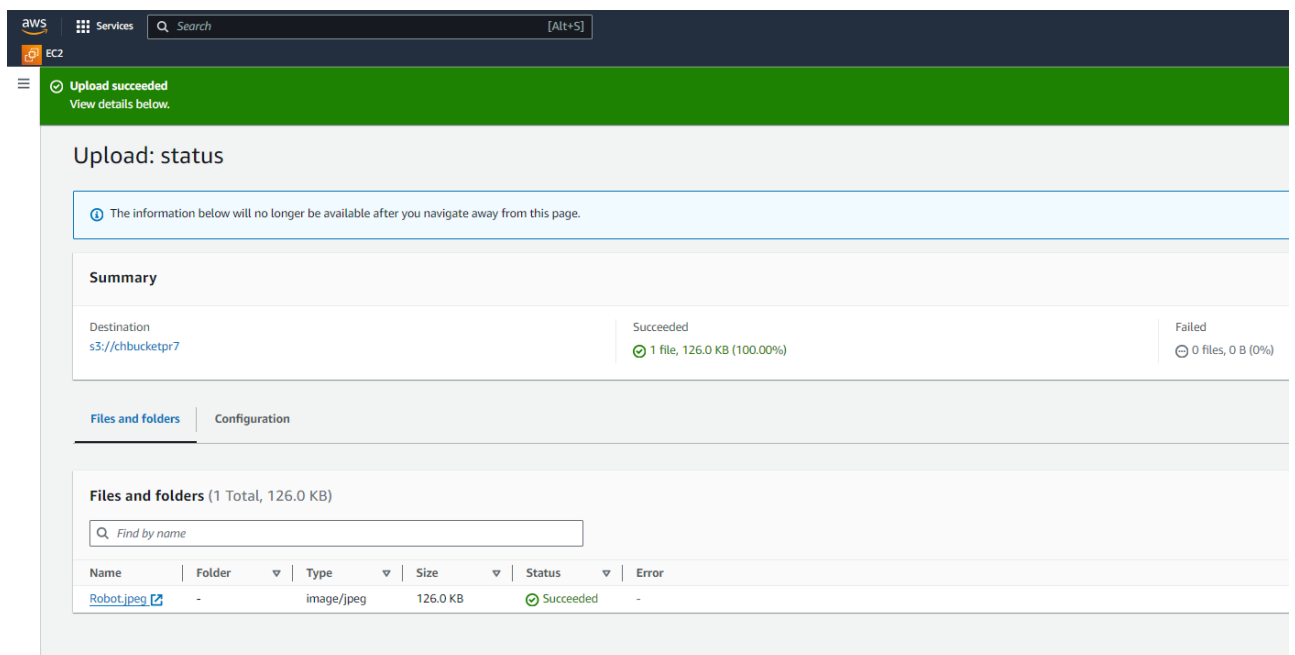
Step 5: Then Click on Upload to upload any image.



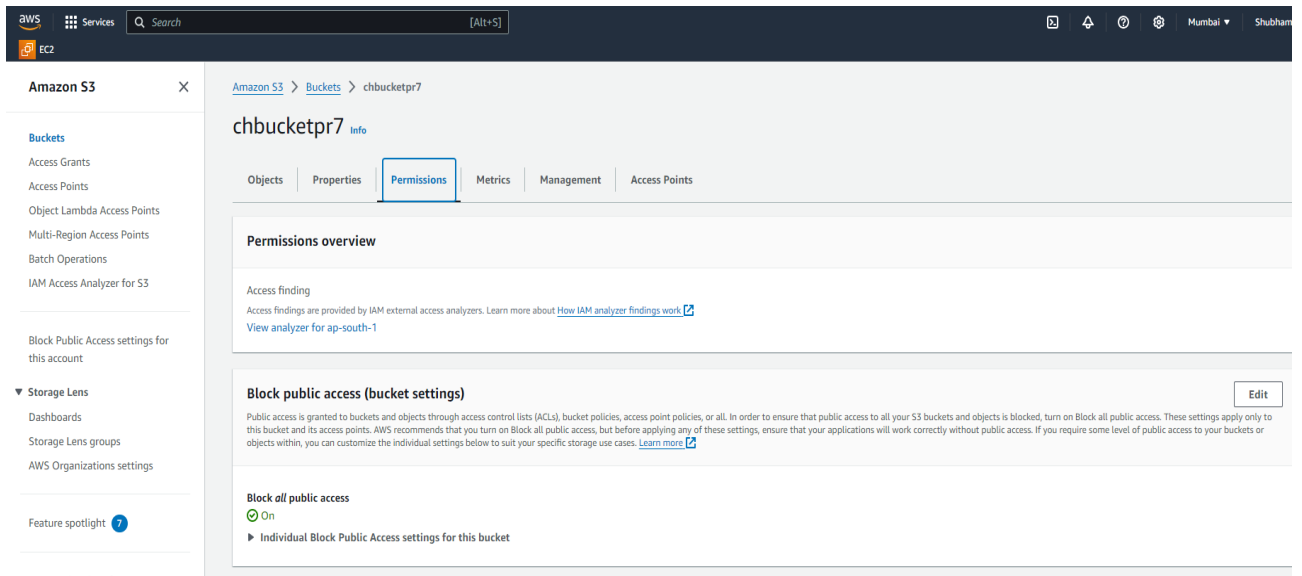
Step 6: Select image and click on upload.



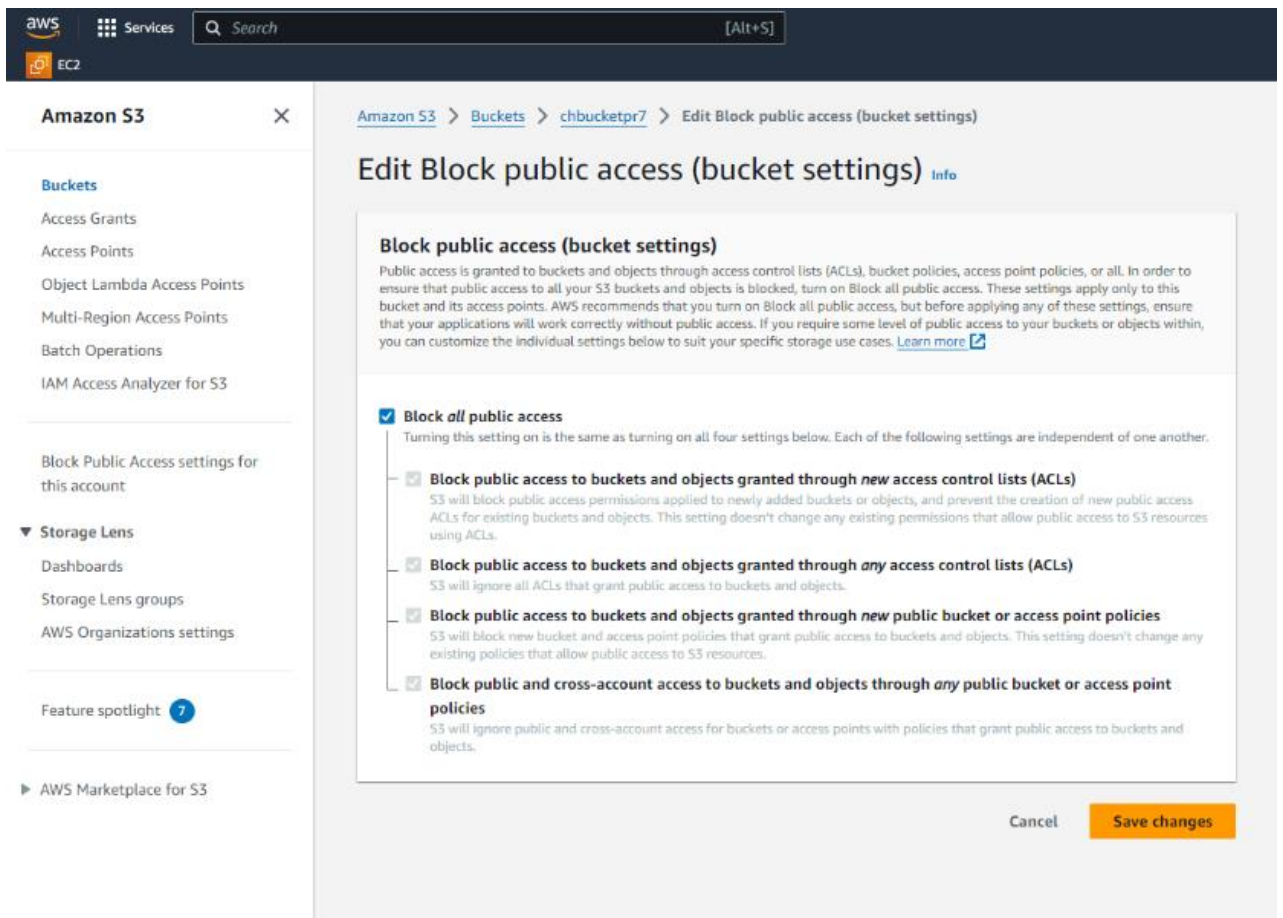
Step 7: Now we have successfully uploaded image file so, click on that image.



Step 8: In this firstly we have to edit Block public access (bucket setting) so, click on edit.



Step 9: Uncheck the dialogue box (Block all public access)



Step 10: Uncheck all dialogue boxes and click on save changes.

Amazon S3 > Buckets > chbucketpr7 > Edit Block public access (bucket settings)

Edit Block public access (bucket settings) [Info](#)

Block public access (bucket settings)

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to all your S3 buckets and objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to your buckets or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#)

- ☐ **Block all public access**
Turning this setting on is the same as turning on all four settings below. Each of the following settings are independent of one another.
- ☐ **Block public access to buckets and objects granted through new access control lists (ACLs)**
S3 will block public access permissions applied to newly added buckets or objects, and prevent the creation of new public access ACLs for existing buckets and objects. This setting doesn't change any existing permissions that allow public access to S3 resources using ACLs.
- ☐ **Block public access to buckets and objects granted through any access control lists (ACLs)**
S3 will ignore all ACLs that grant public access to buckets and objects.
- ☐ **Block public access to buckets and objects granted through new public bucket or access point policies**
S3 will block new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change any existing policies that allow public access to S3 resources.
- ☐ **Block public and cross-account access to buckets and objects through any public bucket or access point policies**
S3 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and objects.

[Cancel](#) [Save changes](#)

Step 11: Type confirm in field given and click on confirm.

Edit Block public access (bucket settings)

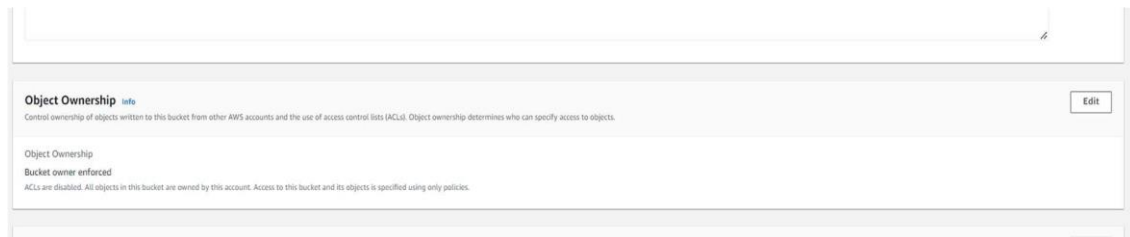
⚠ This will result in public access being blocked for this bucket and all objects in the bucket.

To confirm the settings, enter *confirm* in the field.

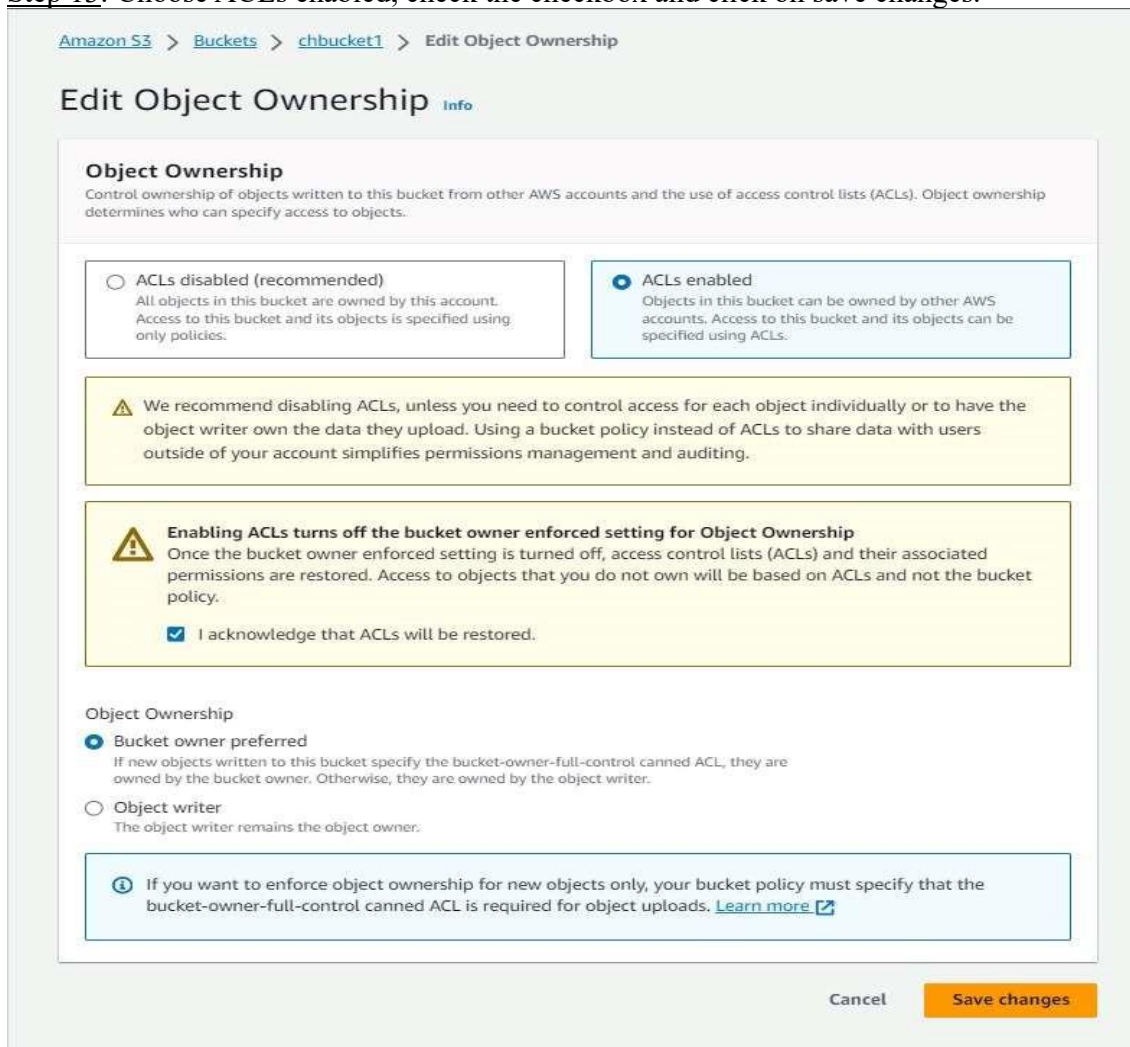
confirm

[Cancel](#) [Confirm](#)

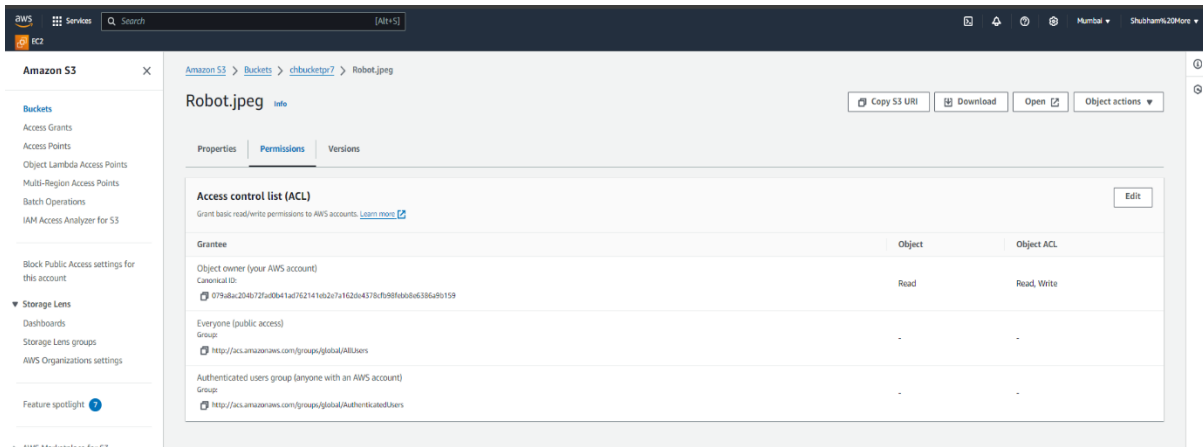
Step 12: Now go to buckets the permissions and edit Object ownership



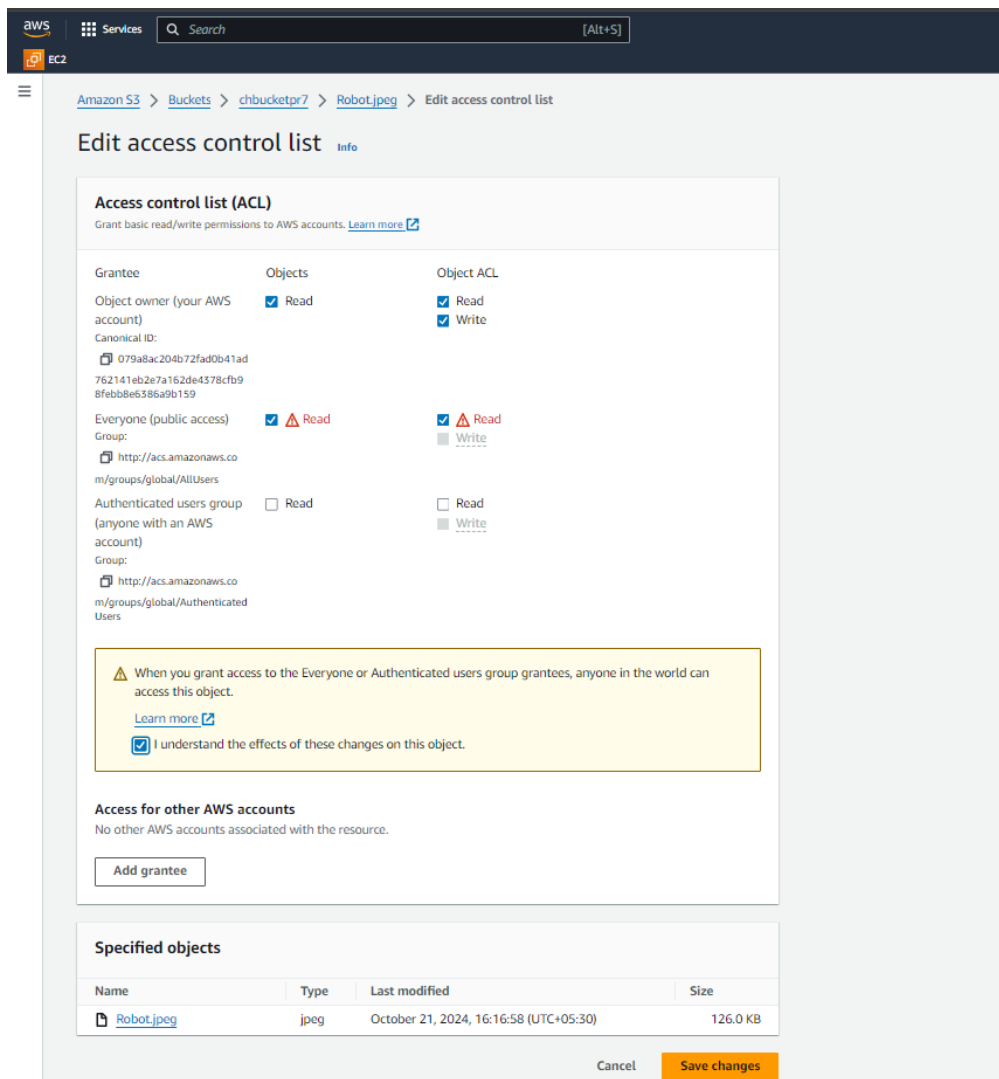
Step 13: Choose ACLs enabled, check the checkbox and click on save changes.



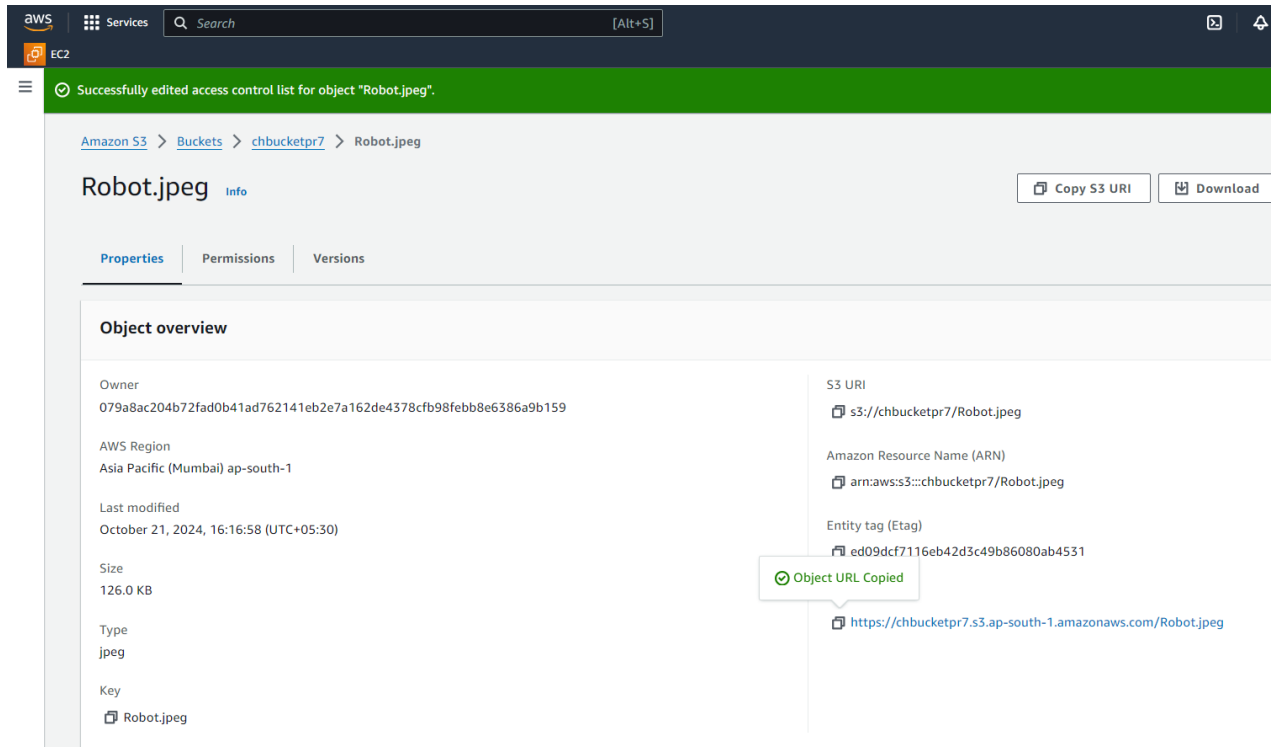
Step 14: Now go to object in bucket and click on that image and then click on permissions to edit permissions.



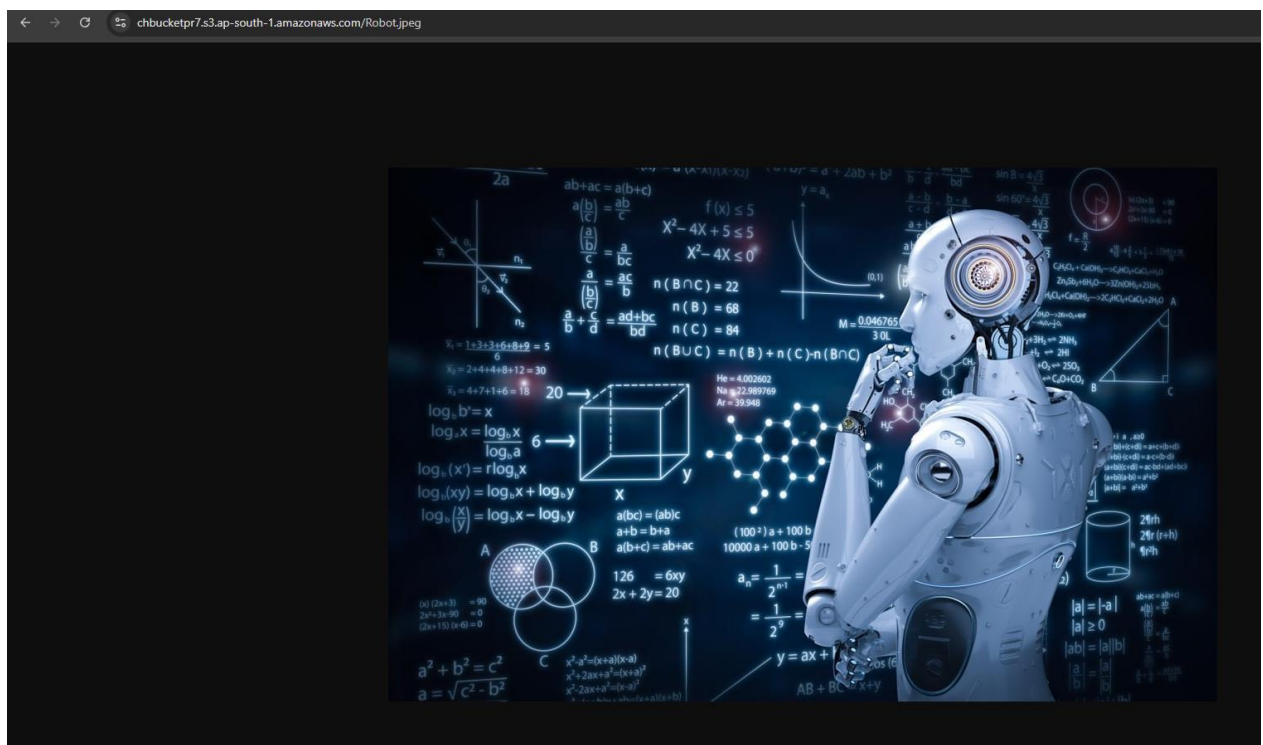
Step 15: Give permissions as shown below and click on save.



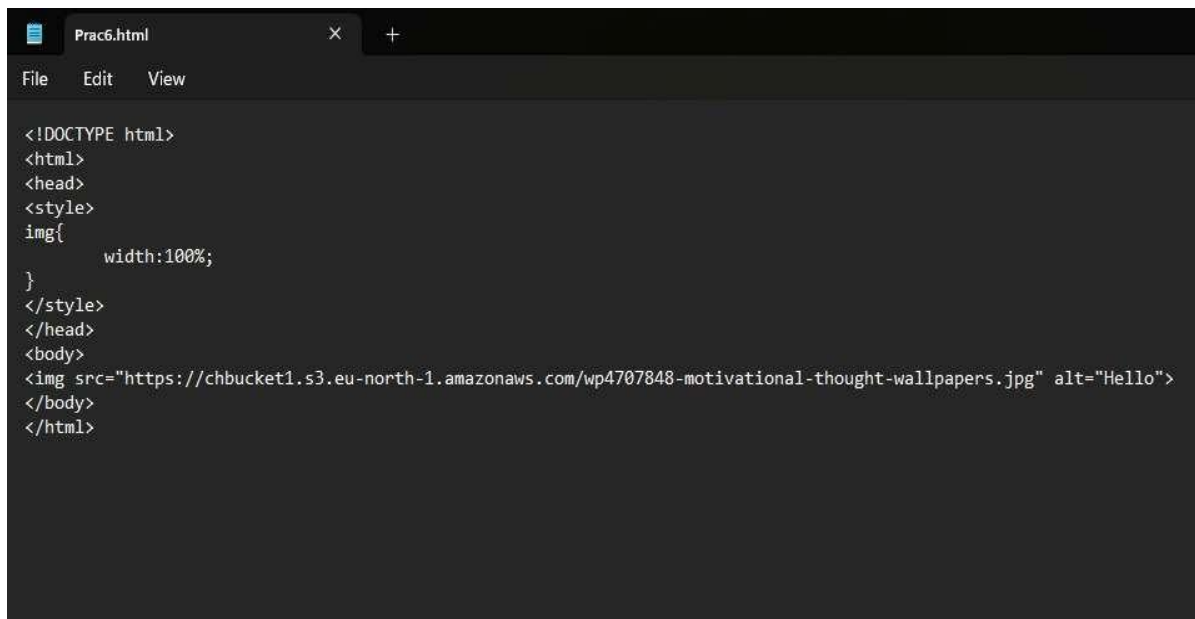
Step 16: To check whether the image has successfully applied public access copy that Object URL as shown.



Step 17: Paste it into your browser. If it shows image then it has public access.



Step 18: Now open notepad and write html code. In img src section paste object url that we have copied earlier.



```
<!DOCTYPE html>
<html>
<head>
<style>
img{
    width:100%;
}
</style>
</head>
<body>

</body>
</html>
```

Save this file with .html extension as shown.



Roll No. : 03