

Codec Technologies : 1-Month Cloud Internship

Name :Prakhar Anil Sharma

Mini Project : Static Website Hosting

Step – 1] Go to AWS Management Console and log in.

Step – 2] Search S3 Service .

Step – 3] Go to General Buckets at left navigation menu and click on it.

Step – 4] Click create bucket.

Step – 5] Name the bucket.

Create bucket [info](#)

Buckets are containers for data stored in S3.

General configuration

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

Bucket type [info](#)

☒ **General purpose**
Recommended for most use cases and access patterns. General purpose buckets are the original S3 bucket type. They allow a mix of storage classes that redundantly store objects across multiple Availability Zones.

☐ **Directory**
Recommended for low-latency use cases. These buckets use only the S3 Express One Zone storage class, which provides faster processing of data within a single Availability Zone.

Bucket name [info](#)

my-static-website-bucket-0793

Bucket names must be 3 to 63 characters and unique within the global namespace. Bucket names must also begin and end with a letter or number. Valid characters are a-z, 0-9, periods (.), and hyphens (-). [Learn More](#)

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

Block Public Access settings for this bucket

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 this bucket and its objects is blocked, turn on Block all public access. This action is irreversible.

Step – 6] Uncheck the Block Public access and tick the acknowledgement box.

Block Public Access settings for this bucket

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 this bucket and its 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 this bucket 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.

Turning off block all public access might result in this bucket and the objects within becoming public
AWS recommends that you turn on block all public access, unless public access is required for specific and verified use cases such as static website hosting.

☒ I acknowledge that the current settings might result in this bucket and the objects within becoming public.

Bucket Versioning

Versioning is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore every version of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions and application failures. [Learn more](#)

Bucket Versioning

☒ **Disable**

☐ **Enable**

Tags - optional (0)

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

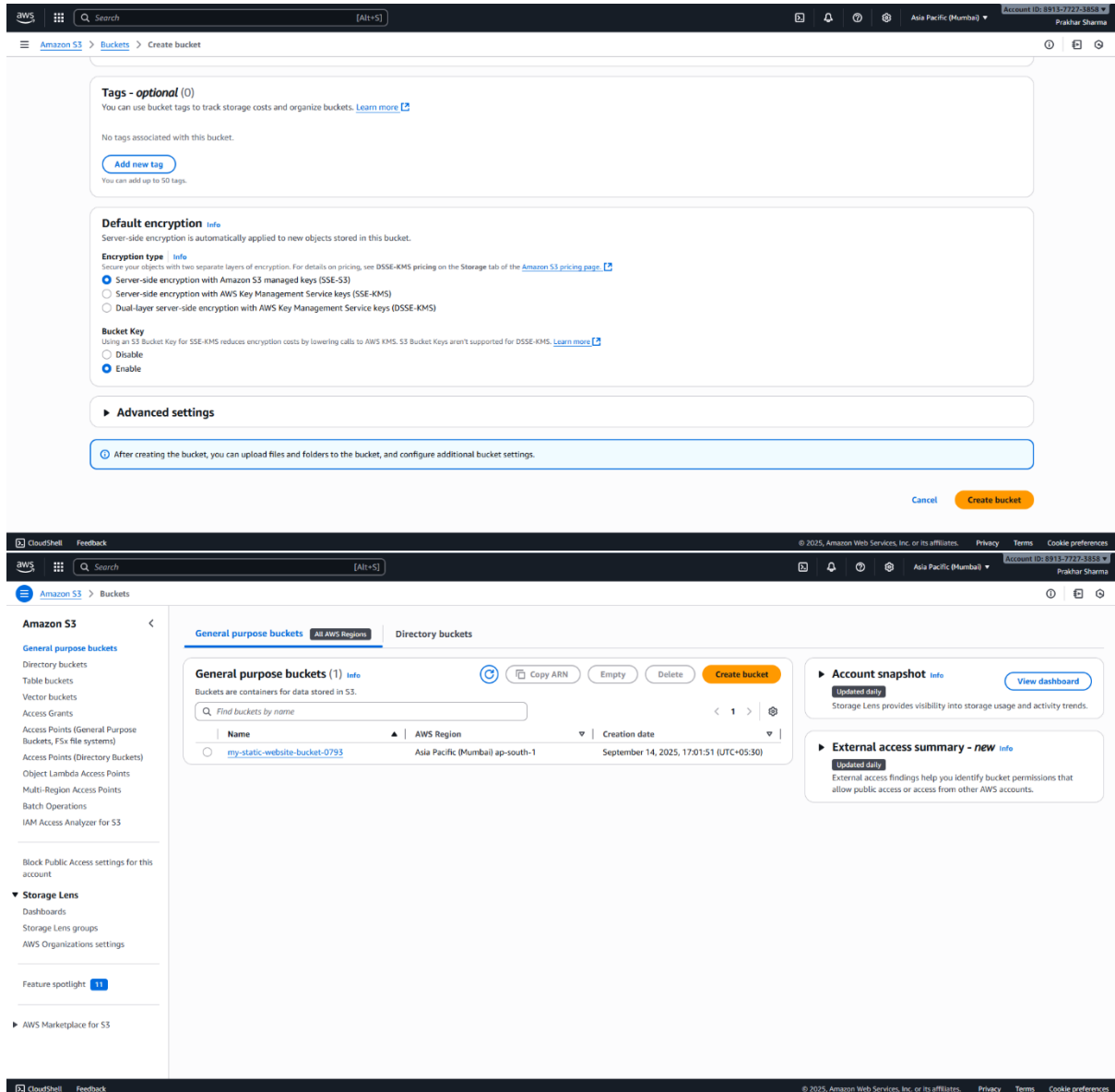
No tags associated with this bucket.

Step – 7] Click create bucket.

Codec Technologies : 1-Month Cloud Internship

Name :Prakhar Anil Sharma

Mini Project : Static Website Hosting



Step – 8] Go to a new tab and search tooplate website.

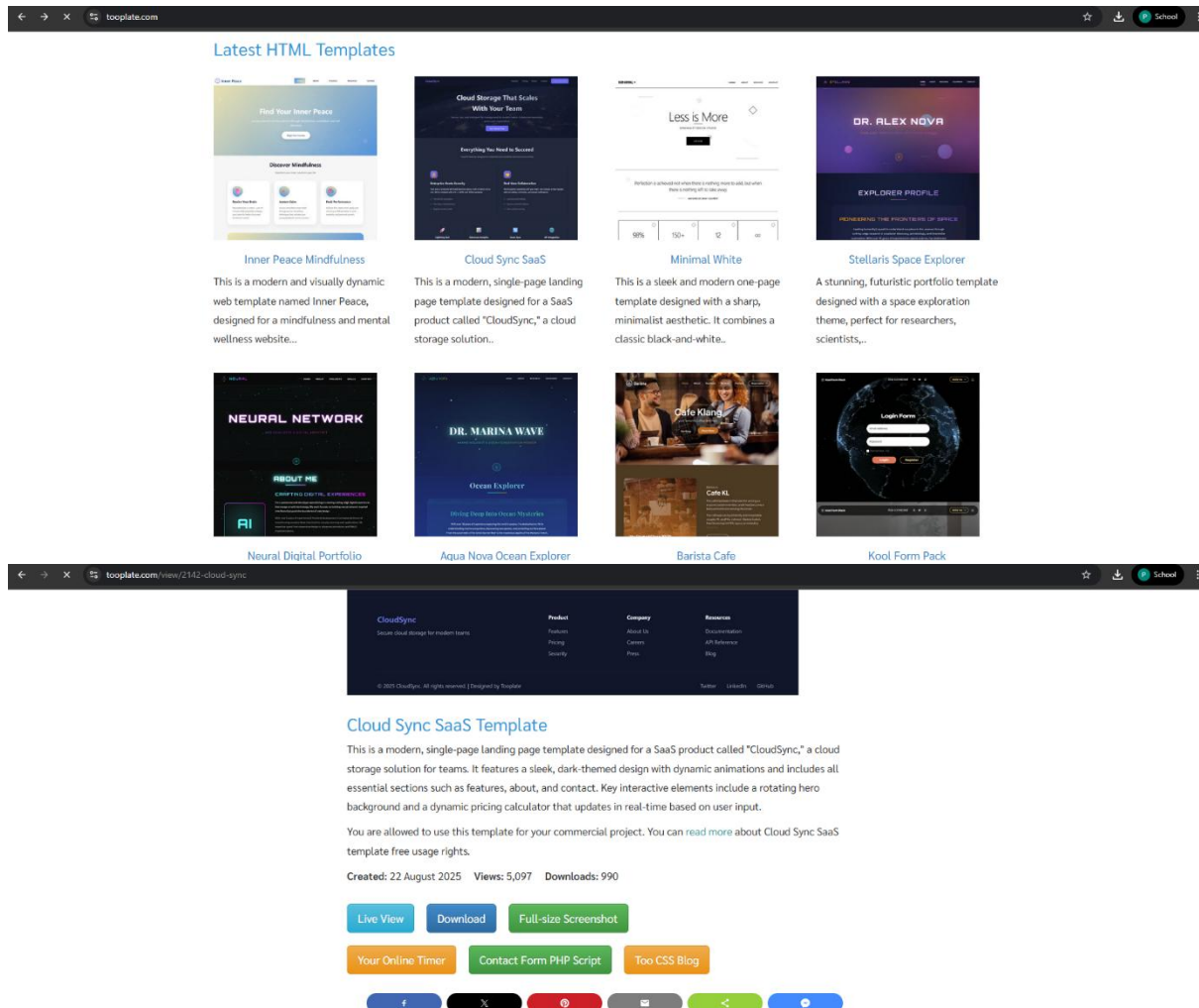
Step – 9] Select any one website and click on it.

Step – 10] Scroll down and click on download.

Codec Technologies : 1-Month Cloud Internship

Name :Prakhar Anil Sharma

Mini Project : Static Website Hosting



Step – 11] Extract the downloaded zip file of the website .

Step – 12] Go to AWS S3 service and click on your bucket.

Step – 13] In the Object tab , Upload the files of the website.

Codec Technologies : 1-Month Cloud Internship

Name :Prakhar Anil Sharma

Mini Project : Static Website Hosting

The screenshot displays the AWS Management Console interface for uploading files to an S3 bucket. The top navigation bar shows the AWS logo, a search bar, and the user's account information (Prakhar Sharma, Asia Pacific (Mumbai)). The breadcrumb trail indicates the path: Amazon S3 > Buckets > my-static-website-bucket-0793 > Upload.

Upload Info

Add the files and folders you want to upload to S3. To upload a file larger than 160GB, use the AWS CLI, AWS SDKs or Amazon S3 REST API. [Learn more](#)

Drag and drop files and folders you want to upload here, or choose [Add files](#) or [Add folder](#).

Files and folders (7 total, 457.0 KB)

All files and folders in this table will be uploaded.

| <input type="checkbox"/> | Name | Folder | Type | Size |
|--------------------------|-------------------------------|---------|-----------------|----------|
| <input type="checkbox"/> | tooplate-cloud-sync-bg01.jpg | images/ | image/jpeg | 93.6 KB |
| <input type="checkbox"/> | tooplate-cloud-sync-bg02.jpg | images/ | image/jpeg | 130.2 KB |
| <input type="checkbox"/> | tooplate-cloud-sync-bg03.jpg | images/ | image/jpeg | 182.3 KB |
| <input type="checkbox"/> | ABOUT THIS TEMPLATE.txt | - | text/plain | 557.0 B |
| <input type="checkbox"/> | index.html | - | text/html | 16.9 KB |
| <input type="checkbox"/> | tooplate-cloud-scripts.js | - | text/javascript | 7.4 KB |
| <input type="checkbox"/> | tooplate-cloud-sync-style.css | - | text/css | 26.1 KB |

[Remove](#) [Add Files](#) [Add folder](#)

Destination Info

Destination
[s3://my-static-website-bucket-0793](#)

Destination details
Bucket settings that impact new objects stored in the specified destination.

Permissions
[Grant public access and access to other AWS accounts](#)

Upload succeeded
For more information, see the [Files and folders](#) table.

Upload: status [Close](#)

After you navigate away from this page, the following information is no longer available.

Summary

| Destination | Succeeded | Failed |
|--|-----------------------------|-------------------|
| s3://my-static-website-bucket-0793 | 7 files, 457.0 KB (100.00%) | 0 files, 0 B (0%) |

Files and folders | Configuration

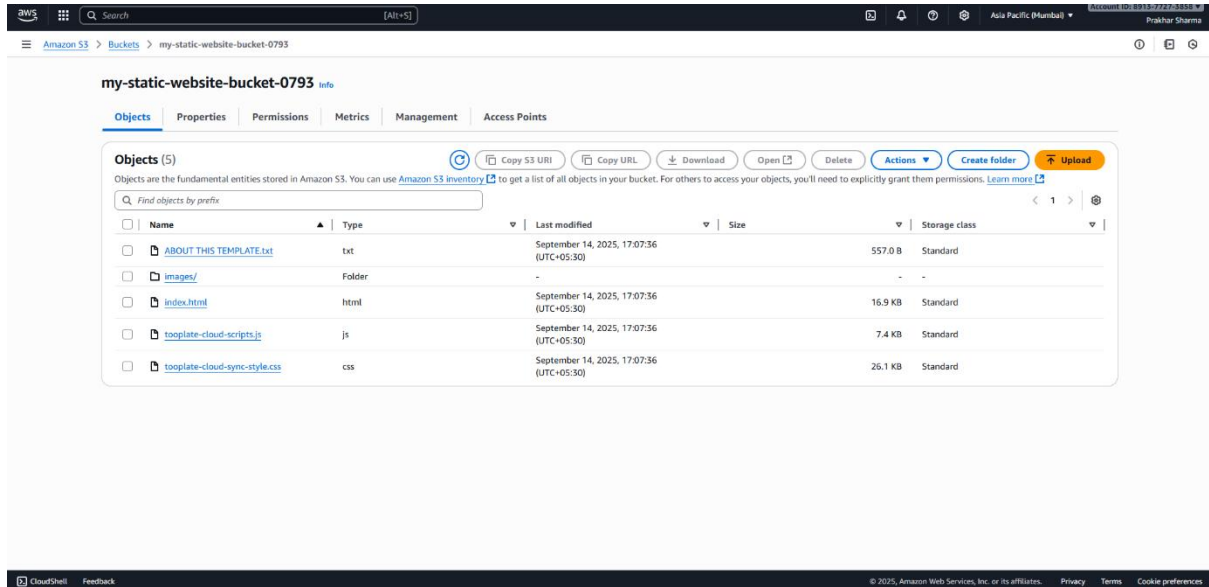
Files and folders (7 total, 457.0 KB)

| Name | Folder | Type | Size | Status | Error |
|---|---------|-----------------|----------|-----------|-------|
| tooplate-cloud-sync-bg01.jpg | images/ | image/jpeg | 93.6 KB | Succeeded | - |
| tooplate-cloud-sync-bg02.jpg | images/ | image/jpeg | 130.2 KB | Succeeded | - |
| tooplate-cloud-sync-bg03.jpg | images/ | image/jpeg | 182.3 KB | Succeeded | - |
| ABOUT THIS TEMPLATE.txt | - | text/plain | 557.0 B | Succeeded | - |
| index.html | - | text/html | 16.9 KB | Succeeded | - |
| tooplate-cloud-scripts.js | - | text/javascript | 7.4 KB | Succeeded | - |
| tooplate-cloud-sync-style.css | - | text/css | 26.1 KB | Succeeded | - |

Codec Technologies : 1-Month Cloud Internship

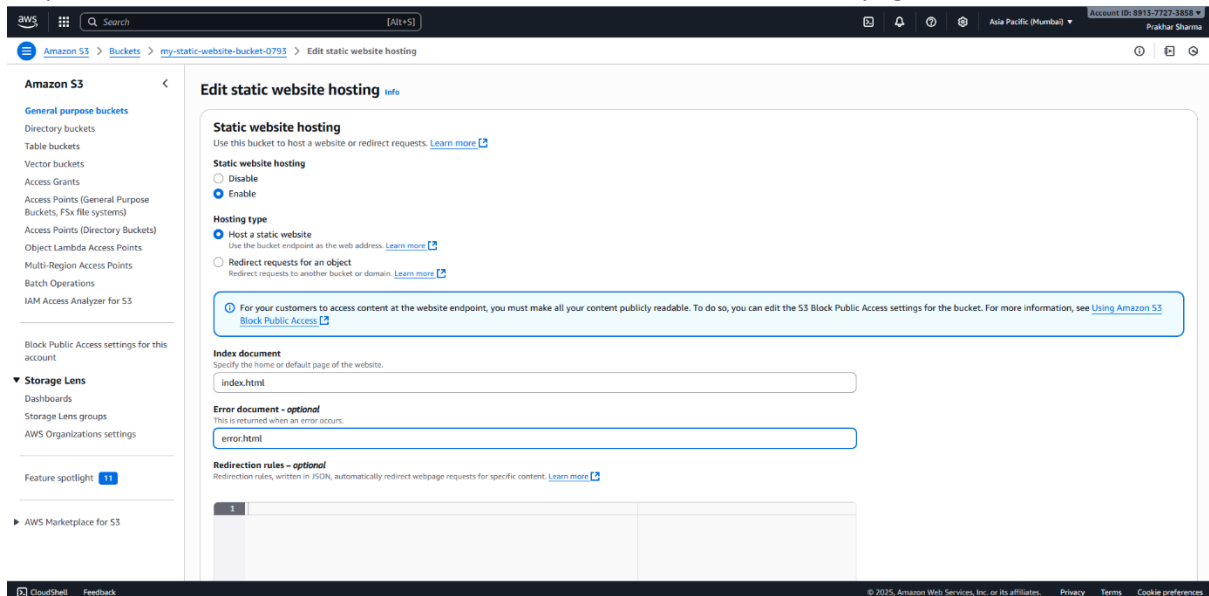
Name :Prakhar Anil Sharma

Mini Project : Static Website Hosting



Step – 14] Now go to permission tab ,scroll down and enable the static website hosting by click on edit .

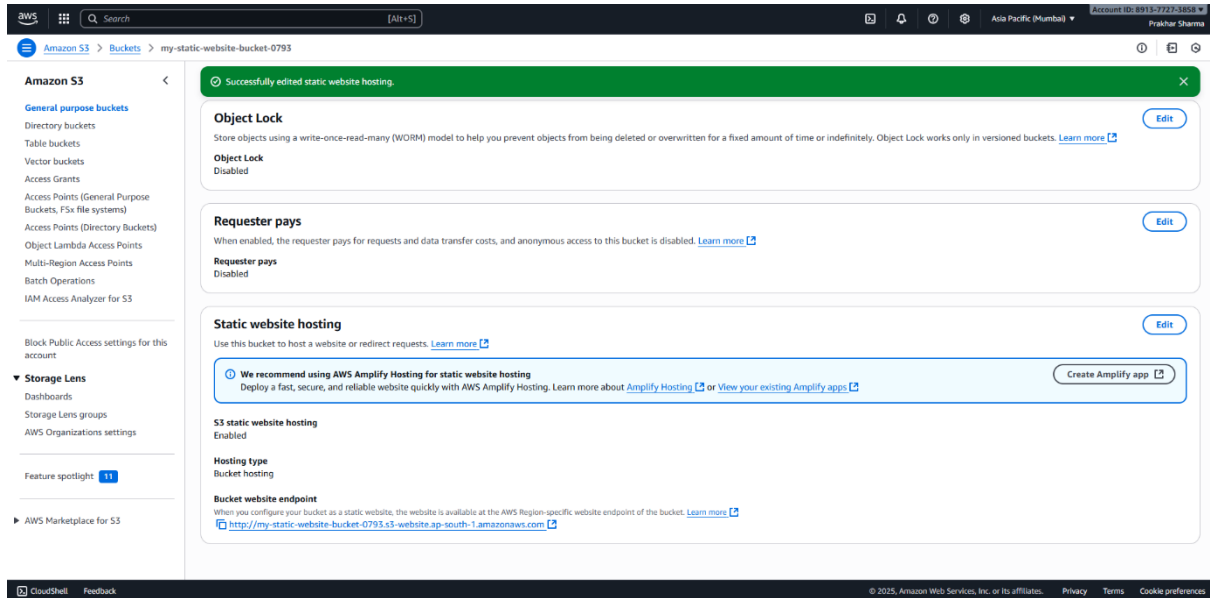
Step – 15] In the Index document field write the index.html file as main page of website .



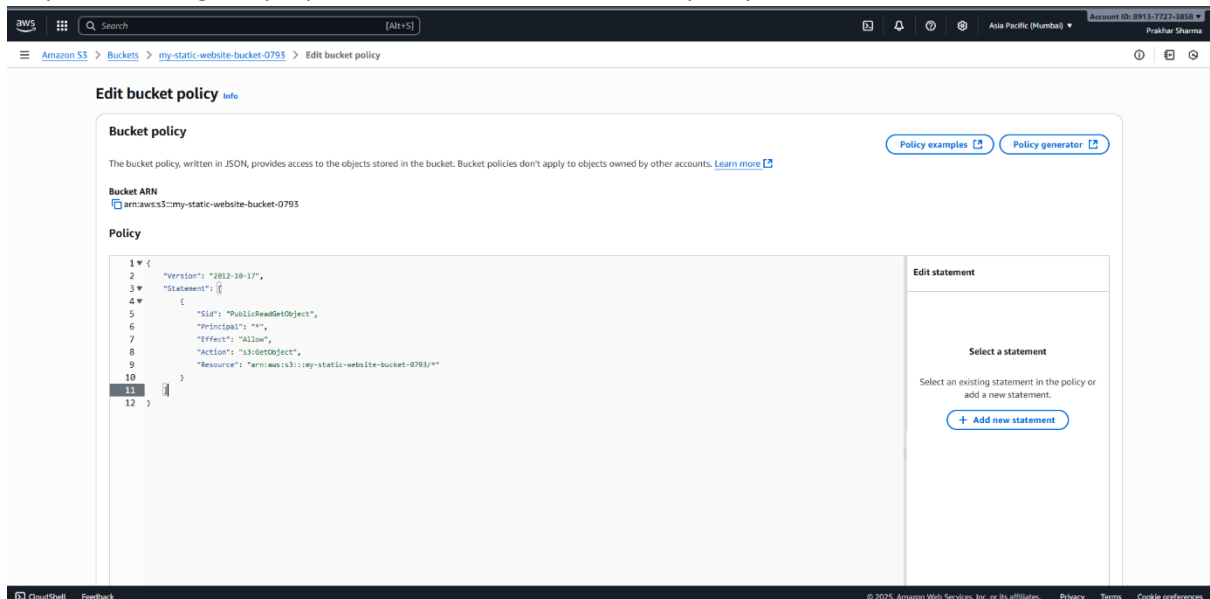
Codec Technologies : 1-Month Cloud Internship

Name :Prakhar Anil Sharma

Mini Project : Static Website Hosting



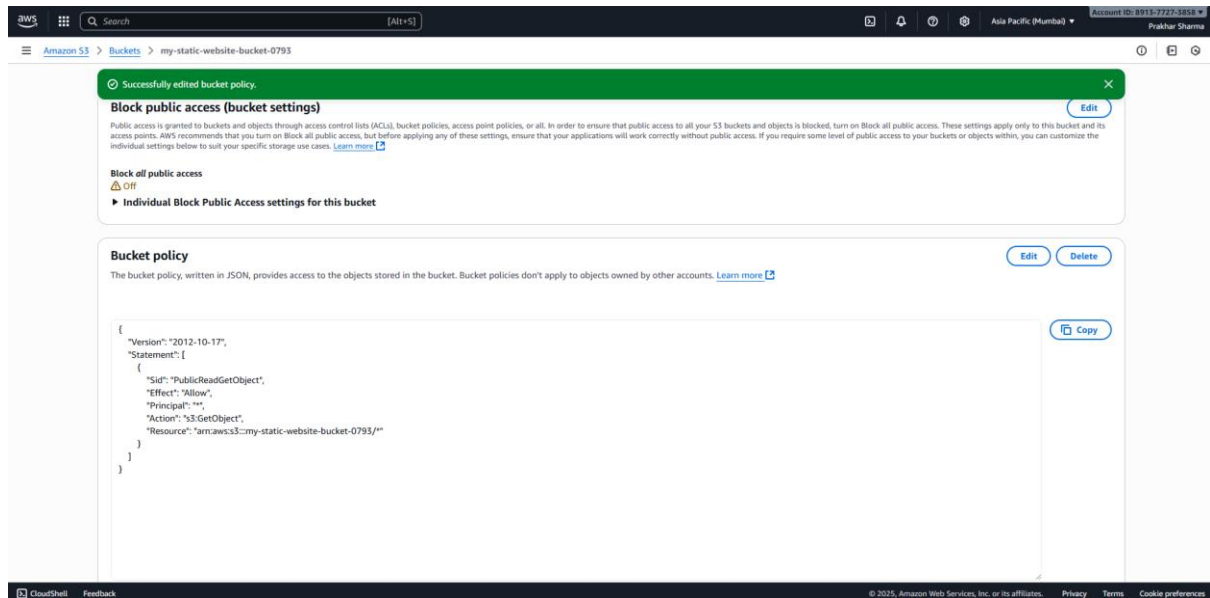
Step – 16] Now go to properties tab, and edit the bucket policy like below and save it.



Codec Technologies : 1-Month Cloud Internship

Name :Prakhar Anil Sharma

Mini Project : Static Website Hosting



Step – 17] Now copy the static website link and open it in the new browser tab, You can see the website .

