

## **MODULE 6 :**

### **S3 BUCKET CREATION ASSIGNMENT -1**

## **Problem Statement:**

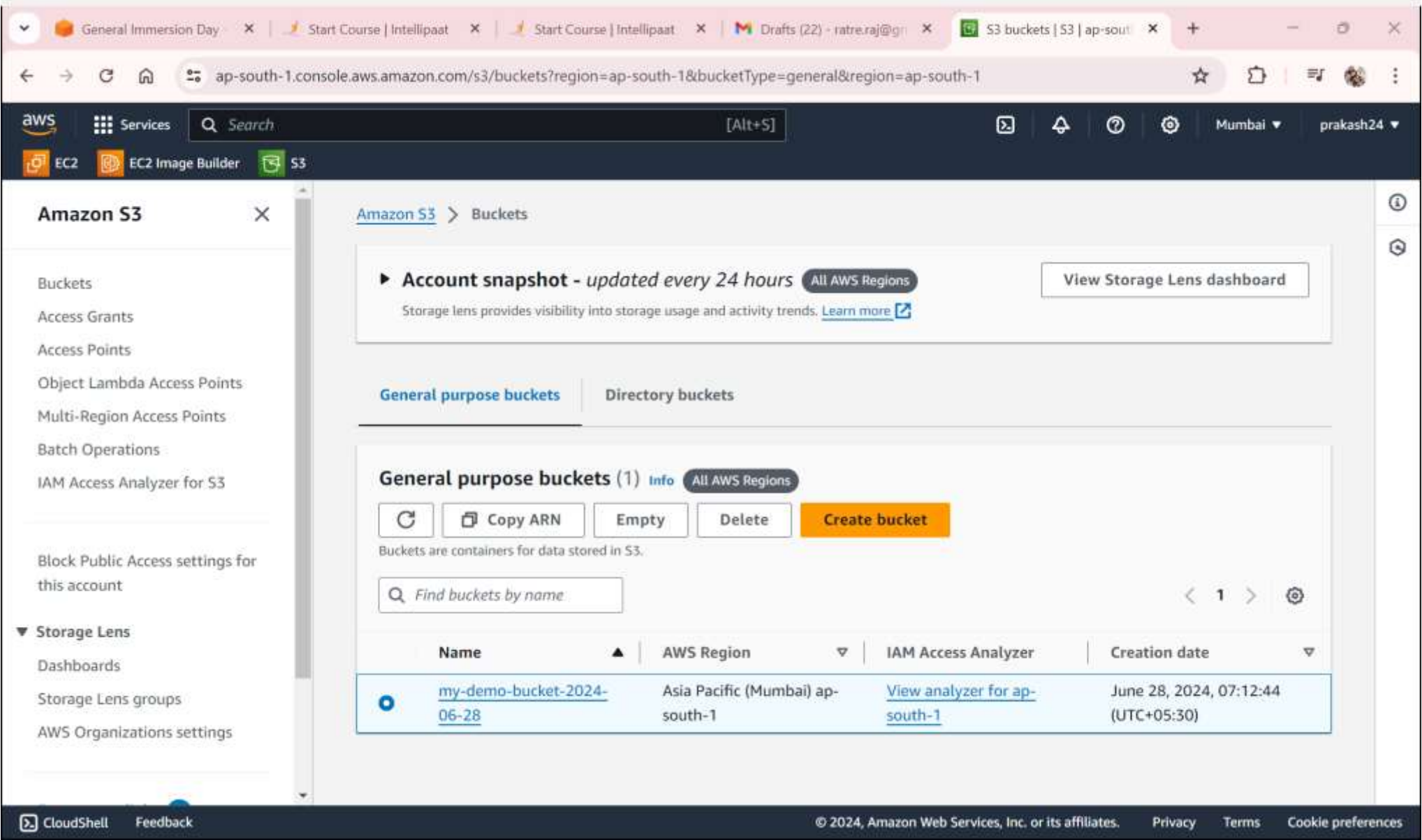
You work for XYZ Corporation. Their application requires a storage service that can store files and publicly share them if required. Implement S3 for the same.

## **Tasks To Be Performed:**

1. Create an S3 Bucket for file storage.
2. Upload 5 objects with different file extensions.



Created S3 bucket named “my-demo-bucket-2024-06-28” for file Storage



# Uploading 5 objects with different file extension

The screenshot shows the AWS S3 console's 'Upload' interface. The browser tabs include 'General Immersion Day', 'Start Course | Intellipaat', 'Drafts (22) - ratre.raj@...', and 'Upload objects - S3 buckl'. The address bar shows the URL: `ap-south-1.console.aws.amazon.com/s3/upload/my-demo-bucket-2024-06-28?region=ap-south-1&bucketType=general`.

The page title is 'Upload' with a sub-header 'Add the files and folders you want to upload to S3. To upload a file larger than 160GB, use the AWS CLI, AWS SDK or Amazon S3 REST API. [Learn more](#).' Below this is a drag-and-drop area with the text 'Drag and drop files and folders you want to upload here, or choose **Add files** or **Add folder**.'

The 'Files and folders (5 Total, 13.3 MB)' section shows a table of files to be uploaded:

<input type="checkbox"/>	Name	Folder	Type
<input type="checkbox"/>	lands01.jpg	-	image/jpeg
<input type="checkbox"/>	dummy002.pdf	-	application/pdf
<input type="checkbox"/>	landscape.jpg	-	image/jpeg
<input type="checkbox"/>	Sample 01.txt	-	text/plain
<input type="checkbox"/>	video (2160p).mp4	-	video/mp4

Below the table is the 'Destination' section, which shows the destination path: `s3://my-demo-bucket-2024-06-28`. It also includes expandable sections for 'Destination details', 'Permissions', and 'Properties'.

At the bottom right, there are 'Cancel' and 'Upload' buttons.

The footer of the page shows '© 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Create preferences'.

# Objects uploaded successfully

General Immersion Day x Start Course | Intellipaat x Start Course | Intellipaat x Drafts (22) - ratire.raj@gi Upload objects - S3 buc x

ap-south-1.console.aws.amazon.com/s3/upload/my-demo-bucket-2024-06-28?region=ap-south-1&bucketType=general

aws Services Search [Alt+S] Mumbai prakash24

EC2 EC2 Image Builder S3

Upload succeeded  
View details below.

Destination  
s3://my-demo-bucket-2024-06-28

Succeeded  
5 files, 13.3 MB (100.00%)

Failed  
0 files, 0 B (0%)

Files and folders

Configuration

Files and folders (5 Total, 13.3 MB)

Find by name

Name	Folder	Type	Size	Status	Error
<a href="#">birds01.jpg</a>	-	image/jpeg	4.8 KB	Succeeded	-
<a href="#">dummy002....</a>	-	application/...	13.0 KB	Succeeded	-
<a href="#">landscape.jp..</a>	-	image/jpeg	8.9 KB	Succeeded	-
<a href="#">Sample 01.t...</a>	-	text/plain	0 B	Succeeded	-
<a href="#">video (2160...</a>	-	video/mp4	13.3 MB	Succeeded	-

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## **MODULE 6:**

# **S3 BUCKET VERSIONING ASSIGNMET -2**

## **Problem Statement:**

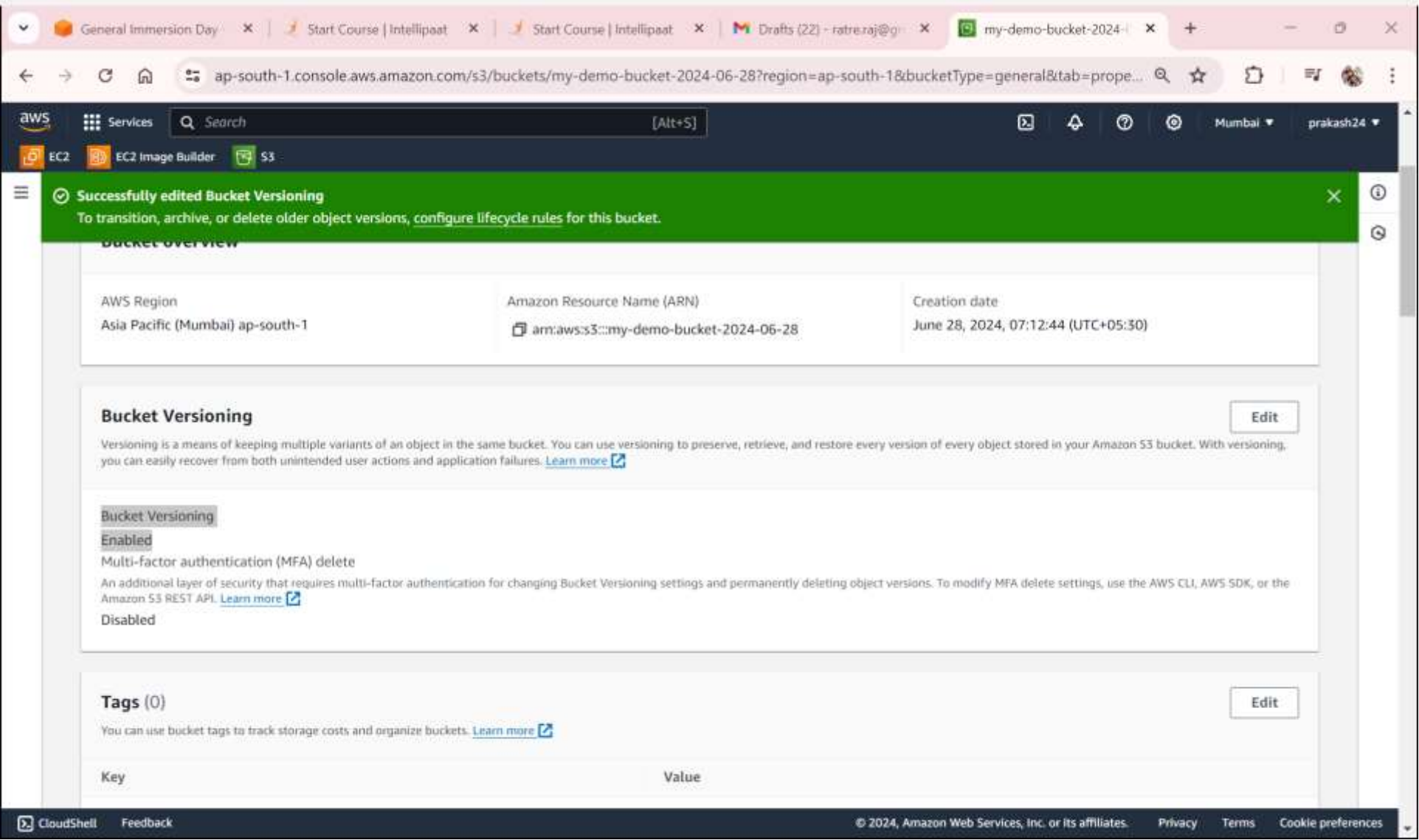
You work for XYZ Corporation. Their application requires a storage service that can store files and publicly share them if required. Implement S3 for the same.

## **Tasks To Be Performed:**

1. Enable versioning for the bucket created in task 1.
2. Re-upload any 2 files already uploaded to verify if versioning works.

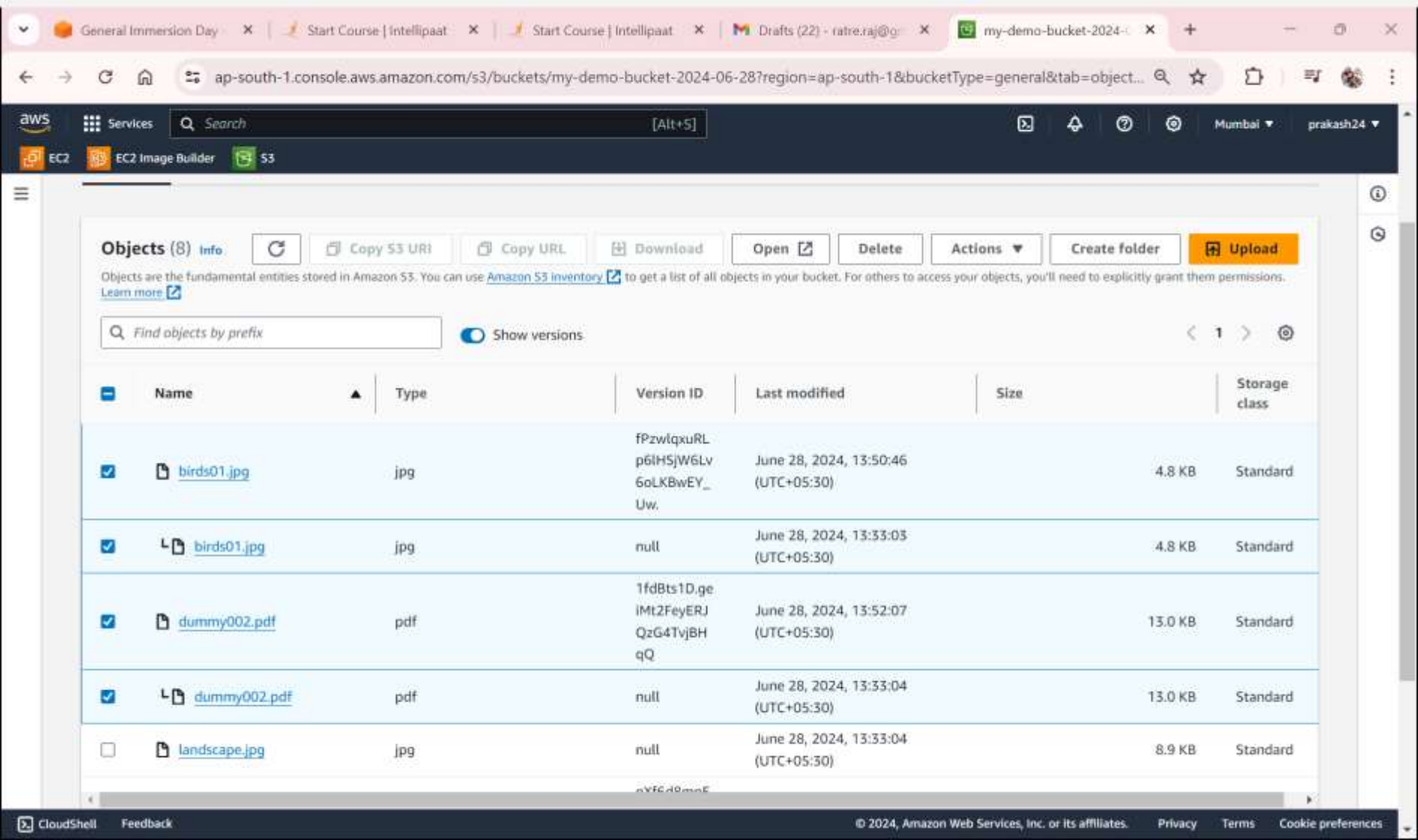


# Enabling the version for the bucket created in task 1





Re-uploaded 2 files which is already present in the bucket file named “birds01.jpg and dummy002.pdf”



## **MODULE 6:**

# **S3 WEBSITE HOSTING ASSIGNMET -3**

## **Problem Statement:**

You work for XYZ Corporation. Their application requires a storage service that can store files and publicly share them if required. Implement S3 for the same.

## **Tasks To Be Performed:**

1. Use the created bucket in the previous task to host static websites, upload an index.html file and error.html page.
2. Add a lifecycle rule for the bucket:
  - a. Transition from Standard to Standard-IA in 60 days
  - b. Expiration in 200 days

Add a lifecycle rule for the bucket:

a. Transition from standard to standard-IA in 60 days

b. Expiration in 200 days

General Immersion Day | Start Course | Intellipost | Start Course | Intellipost | Create lifecycle rule - S3

ap-south-1.console.aws.amazon.com/s3/management/my-demo-bucket-2024-06-28/lifecycle/create?region=ap-south-1

Days after object creation

200

**Review transition and expiration actions**

**Current version actions**

Day 0

- Objects uploaded

↓

Day 60

- Objects move to Standard-IA

↓

Day 200

- Objects expire

Cancel Create rule

General Immersion Day | Start Course | Intellipost | Start Course | Intellipost | Lifecycle configuration | Drafts (22) - rathe.raj@gi |

ap-south-1.console.aws.amazon.com/s3/management/my-demo-bucket-2024-06-28/lifecycle?region=ap-south-1&bucketType=gener...

Amazon S3 > Buckets > my-demo-bucket-2024-06-28 > Lifecycle configuration

**Lifecycle configuration** Info

To manage your objects so that they are stored cost effectively throughout their lifecycle, configure their lifecycle. A lifecycle configuration is a set of rules that define actions that Amazon S3 applies to a group of objects. Lifecycle rules run once per day.

**Lifecycle rules (1)** Refresh View details Edit Delete Actions Create lifecycle rule

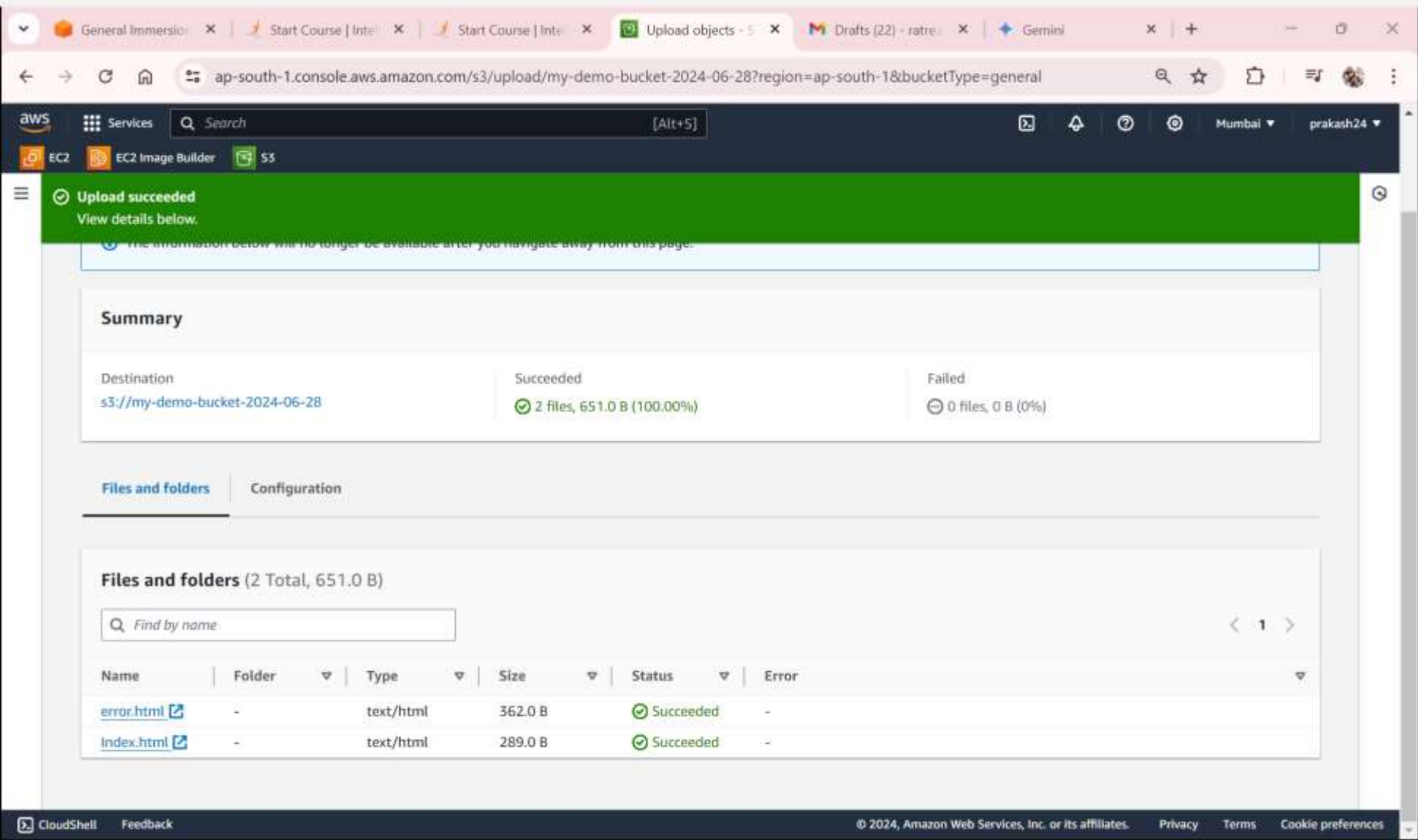
Use lifecycle rules to define actions you want Amazon S3 to take during an object's lifetime such as transitioning objects to another storage class, archiving them, or deleting them after a specified period of time. [Learn more](#)

Find lifecycle rules by name

Lifecycle rule name	Status	Scope	Current version actions	Noncurrent ver...	Expired o...	Incomp...
my-demo-bucket-Lifecyclemgmt	Enabled	Entire bucket	Transition to Standard-IA, then expires	-	-	-

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Use the created bucket in the previous task to host static website, upload an index.html and error.html file



# Configuring static website hosting

The screenshot shows the AWS Management Console interface for configuring static website hosting on an S3 bucket. The browser tabs at the top include 'General Immersion', 'Start Course | Intro', 'Edit static website', and 'Drafts (22)'. The address bar shows the URL: `ap-south-1.console.aws.amazon.com/s3/bucket/my-demo-bucket-2024-06-28/property/website/edit?region=ap-south-1&bucketType...`. The AWS navigation bar at the top displays the 'aws' logo, 'Services' menu, a search bar, and the user's profile 'prakash24' in Mumbai.

The main content area is titled 'Static website hosting' and includes the instruction: 'Use this bucket to host a website or redirect requests. [Learn more](#)'. Below this, there are two sections:

- Static website hosting**: Contains two radio buttons. 'Disable' is unselected, and 'Enable' is selected.
- Hosting type**: Contains two radio buttons. 'Host a static website' is selected, and 'Redirect requests for an object' is unselected.

A blue information box provides a warning: 'For your customers to access content at the website endpoint, you must make all your content publicly readable. To do so, you can edit the S3 Block Public Access settings for the bucket. For more information, see [Using Amazon S3 Block Public Access](#)'.

Below the information box, there are two text input fields:

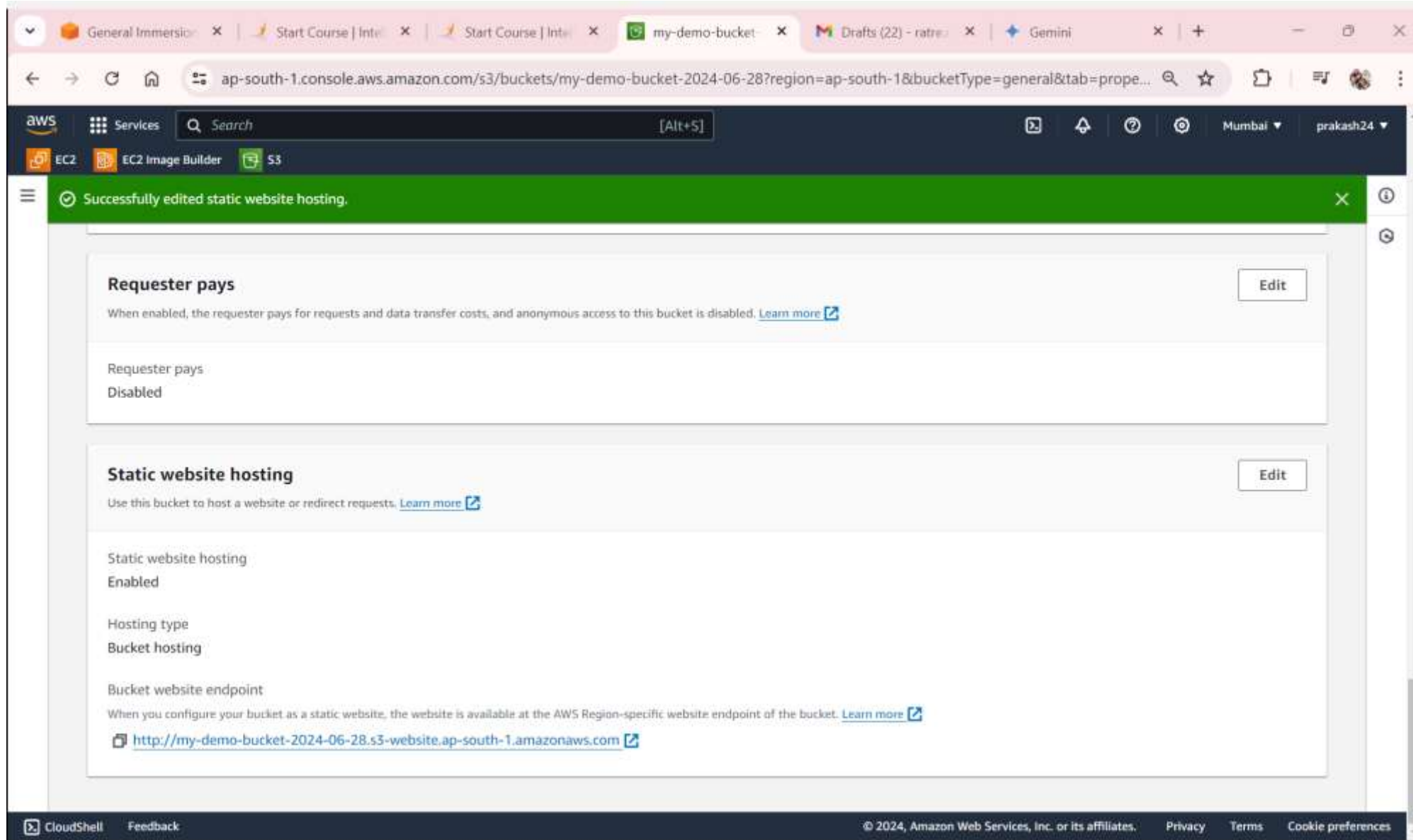
- Index document**: Labeled 'Specify the home or default page of the website.' The input field contains the text 'index.html'.
- Error document - optional**: Labeled 'This is returned when an error occurs.' The input field contains the text 'error.html'.

At the bottom, there is a section for 'Redirection rules - optional' which is currently empty.

The footer of the console shows 'CloudShell', 'Feedback', and the copyright notice '© 2024, Amazon Web Services, Inc. or its affiliates.' along with links for 'Privacy', 'Terms', and 'Cookie preferences'.

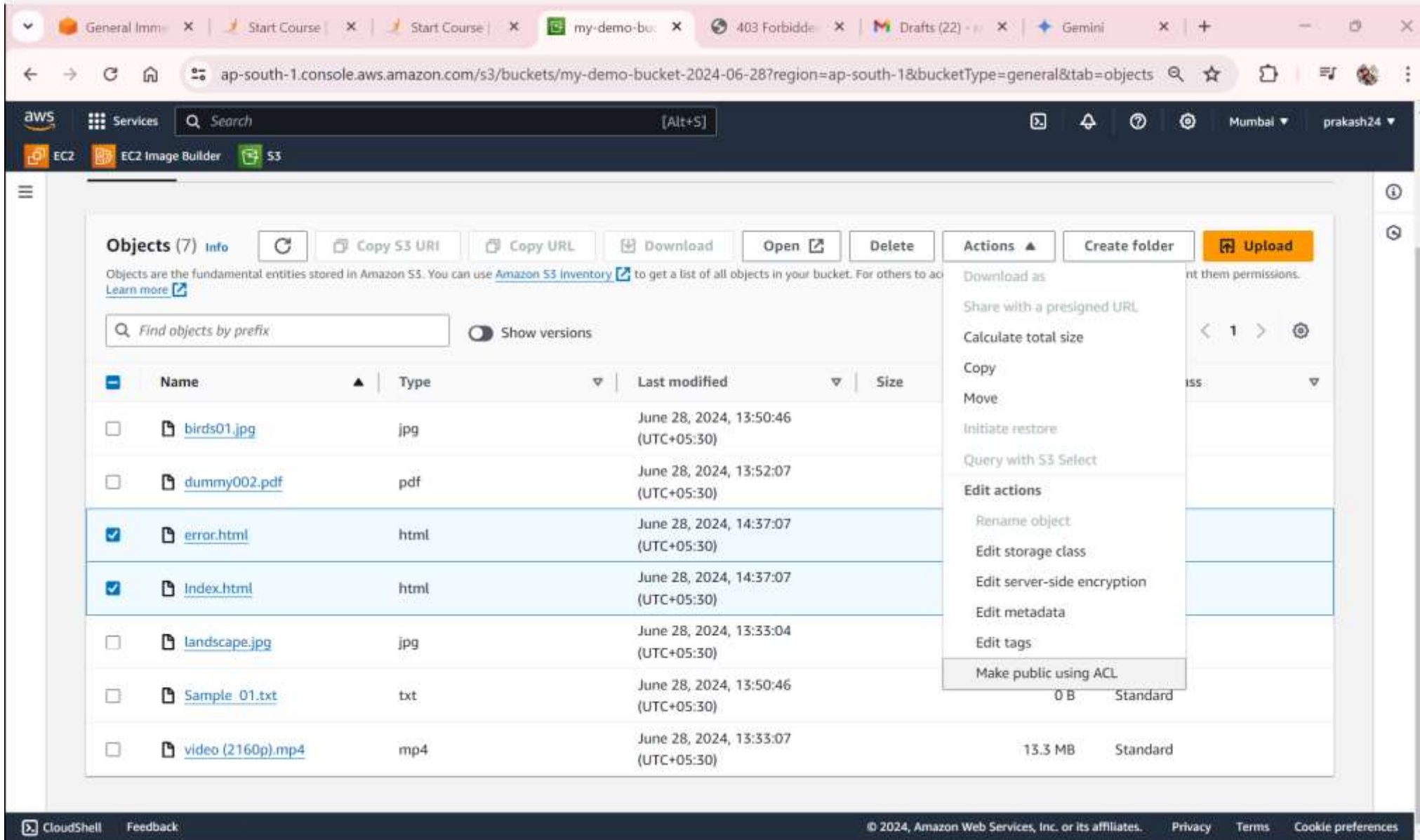


After configuration is done we can see the url below





# Make both the file public using ACL

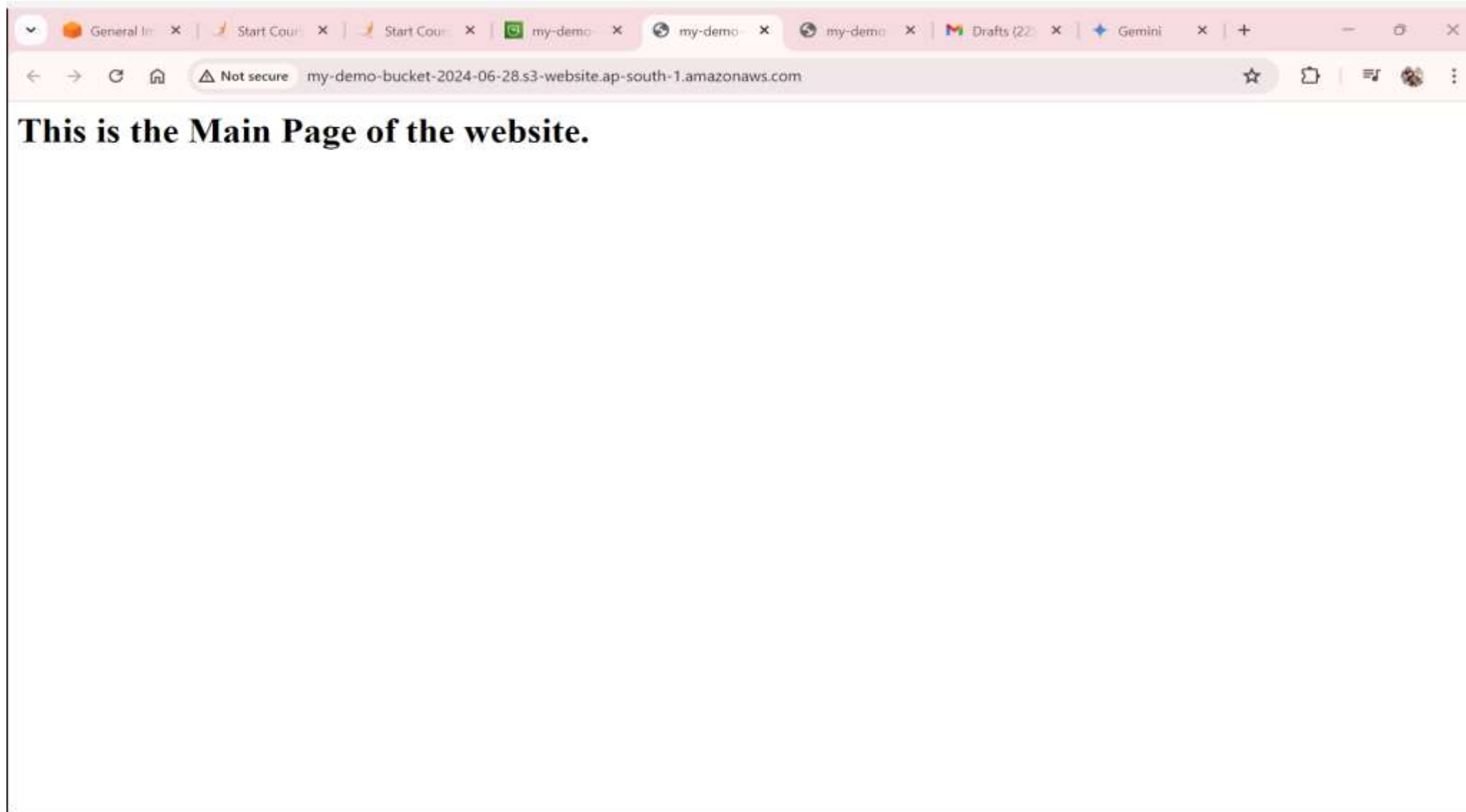


The screenshot shows the AWS Management Console interface for an Amazon S3 bucket named 'my-demo-bucket-2024-06-28'. The 'Objects (7)' view is active, displaying a list of files. The 'error.html' and 'Index.html' files are selected. The 'Actions' dropdown menu is open, showing options like 'Download as', 'Share with a presigned URL', 'Calculate total size', 'Copy', 'Move', 'Initiate restore', 'Query with S3 Select', 'Edit actions', 'Rename object', 'Edit storage class', 'Edit server-side encryption', 'Edit metadata', 'Edit tags', and 'Make public using ACL'. The 'Make public using ACL' option is highlighted.

Name	Type	Last modified	Size
birds01.jpg	jpg	June 28, 2024, 13:50:46 (UTC+05:30)	
dummy002.pdf	pdf	June 28, 2024, 13:52:07 (UTC+05:30)	
error.html	html	June 28, 2024, 14:37:07 (UTC+05:30)	
Index.html	html	June 28, 2024, 14:37:07 (UTC+05:30)	
landscape.jpg	jpg	June 28, 2024, 13:33:04 (UTC+05:30)	
Sample_01.txt	txt	June 28, 2024, 13:50:46 (UTC+05:30)	
video (2160p).mp4	mp4	June 28, 2024, 13:33:07 (UTC+05:30)	13.3 MB

Static website main page “Index.html” url

<http://my-demo-bucket-2024-06-28.s3-website.ap-south-1.amazonaws.com>



Static website error page “error.html” url  
<http://my-demo-bucket-2024-06-28.s3-website.ap-south-1.amazonaws.com/server>

