**Name: Prasad Deshpande**

**Enrollment Number: 243341024**

**MSC(CS) Part I**

# Cloud Computing Practical Assignment No 8

Hosting a static website in AWS using S3

First of all open Virtual Lab. Then click on the Start Lab button. When the circle icon to the right of the AWS link in the upper-left corner turns green, it indicates that the lab environment is ready to use this we can see in Fig 1. To launch the AWS Management Console in a new tab, select the AWS link

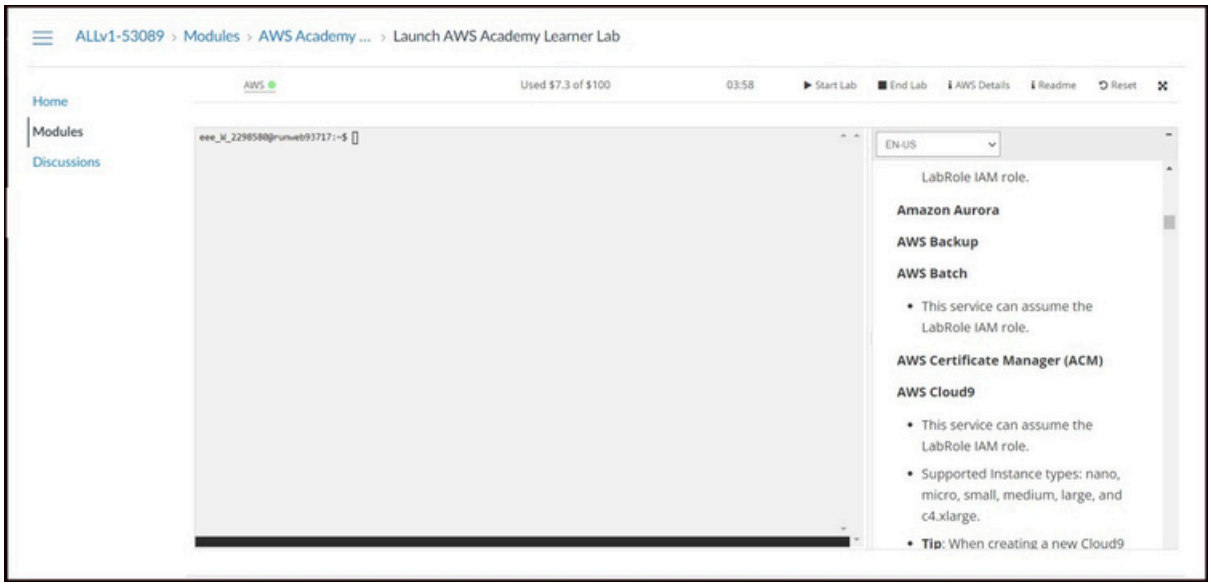


**Fig 1**

After clicking on “AWS” we get the console home as shown in Fig 2. Then click on "S3" service.

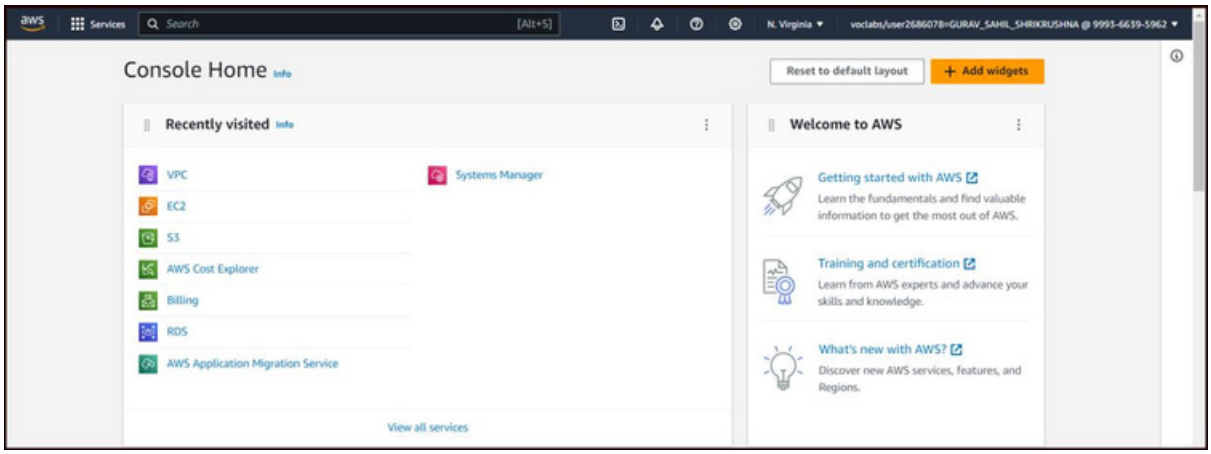


**Fig 2**

In Fig 3 we can see the Amazon S3 interface in which click “Create Bucket”.

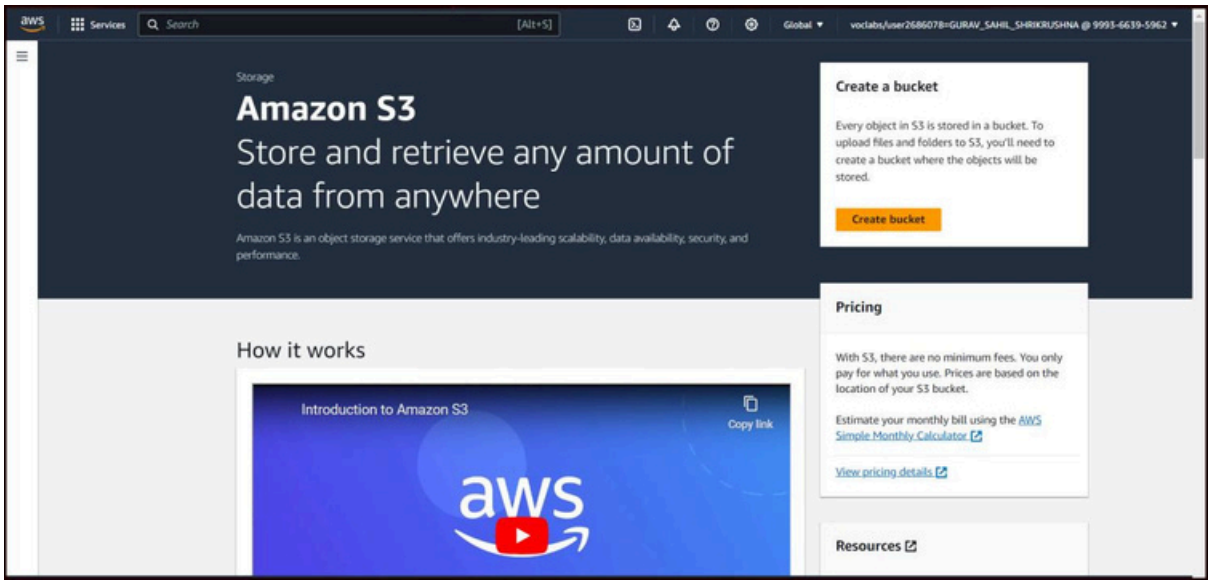


**Fig 3**

Name the bucket “sahil233” and select the AWS region “US East (N.Virginia)us-east-1” as shown in Fig 4.

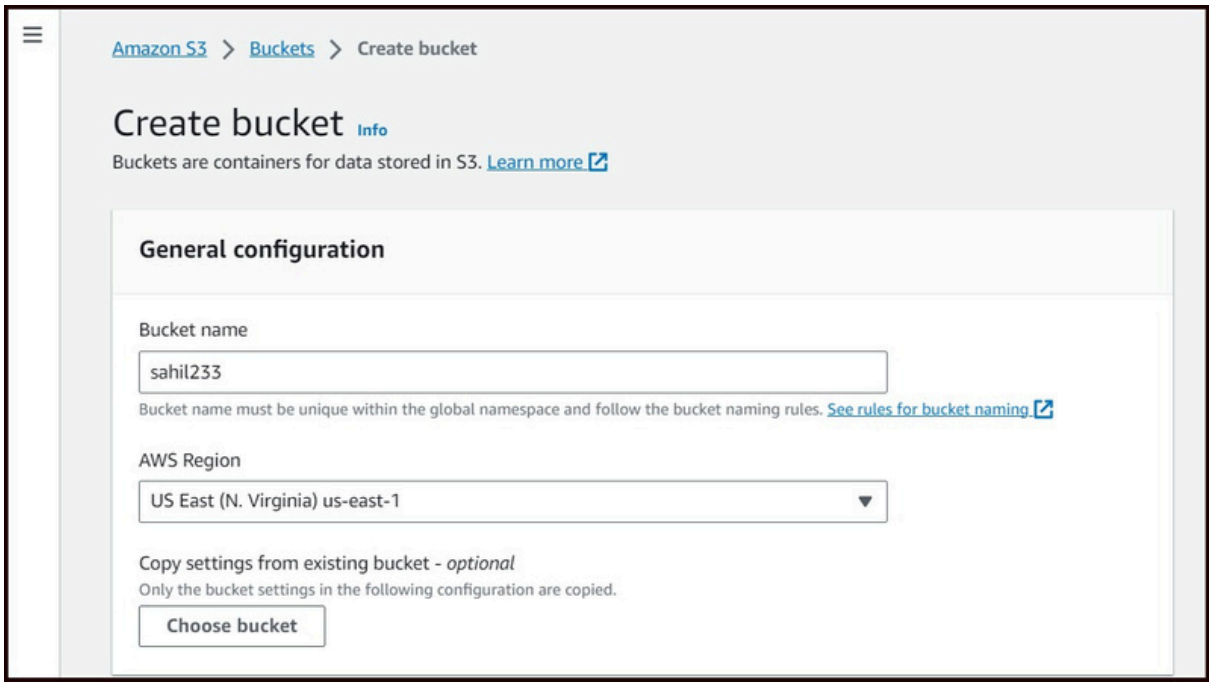


**Fig 4**

Object ownership determines who can specify access to objects. Select "ACL Enable" in Object Ownership. Select "Bucket owner preferred" in that as show in Fig 5. When "Bucket Owner Preferred" is enabled, the AWS account that uploaded the object becomes the owner of the object with full control over it, and can grant access to other users via ACL(Access Control Lists).

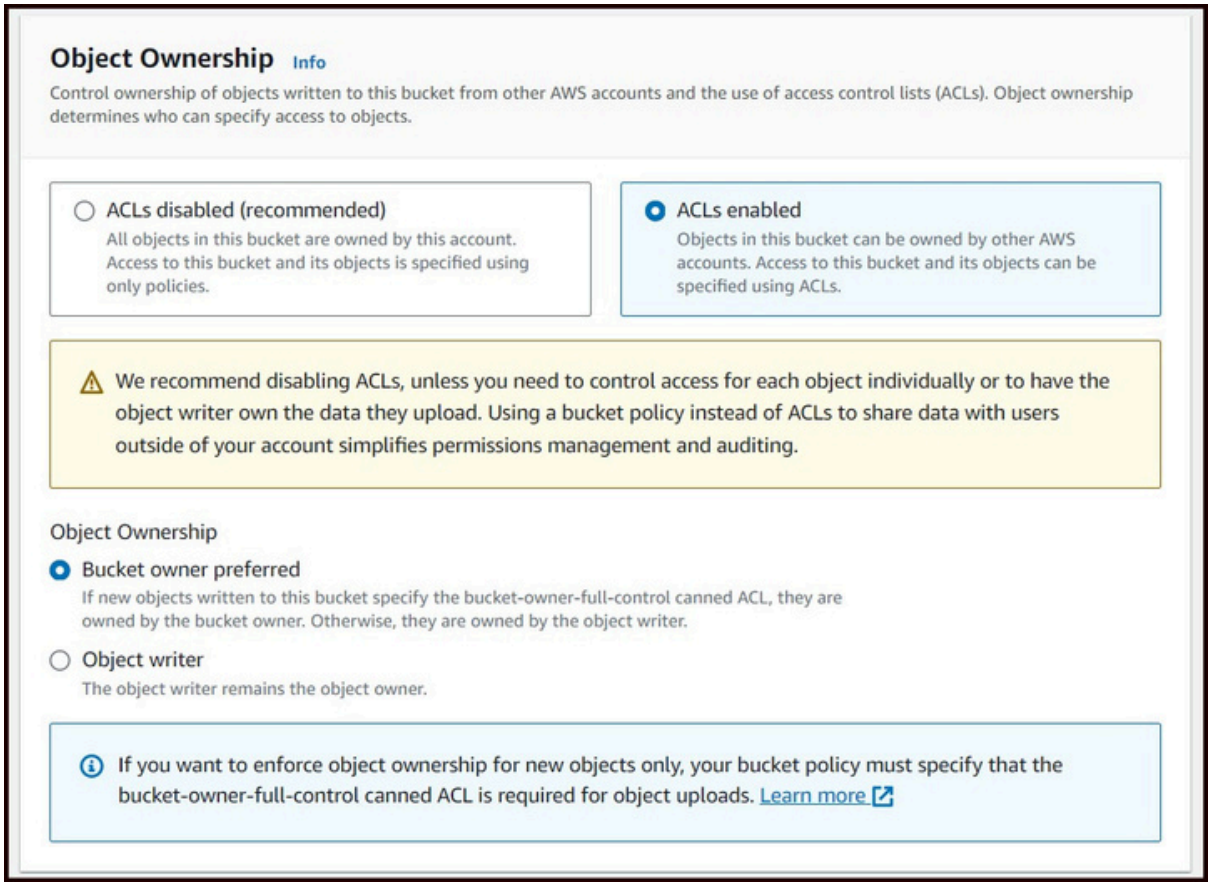


**Fig 5**

As shown in Fig 6, "Block public access settings for this bucket" is disabled.


**Fig 6**

Keep "Bucket Versioning" disable as shown in Fig 7.

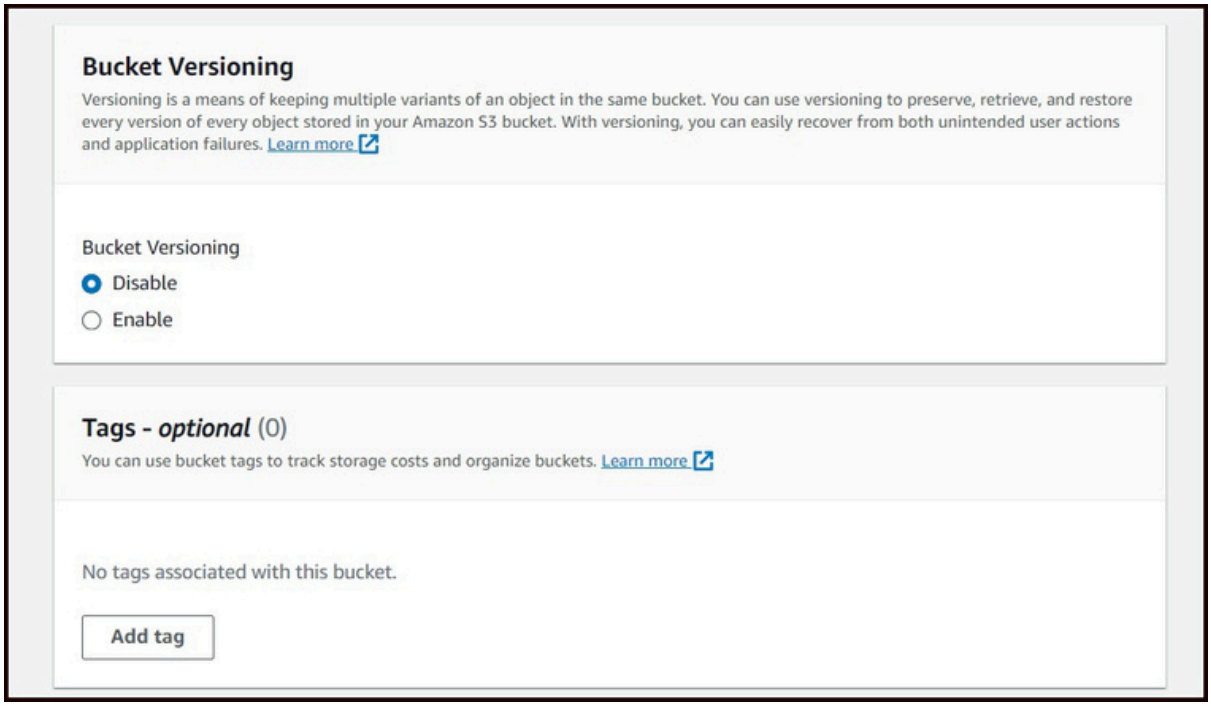


**Fig 7**

Keep the default encryption as shown in Fig 8 and enable "Bucket Keys".

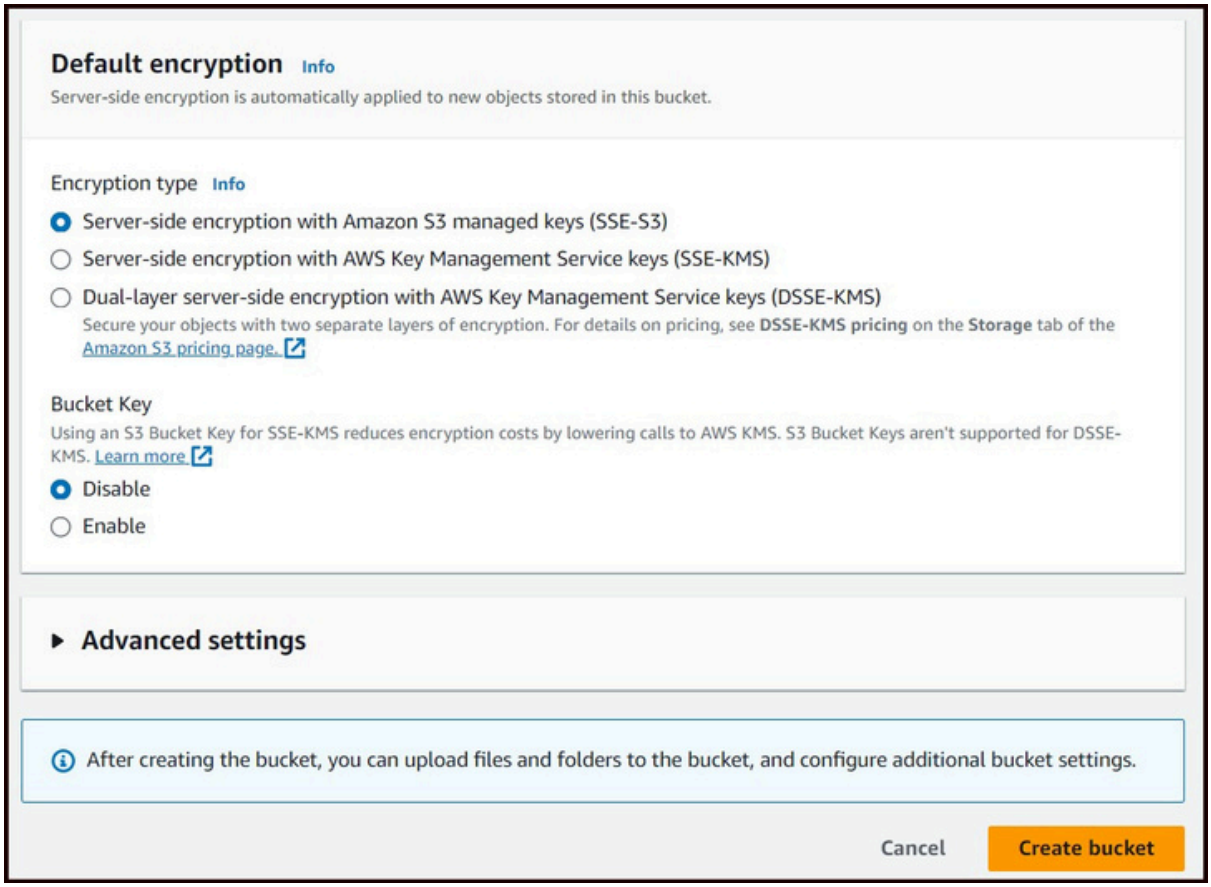

**Fig 8**

In Fig 9 we can see that the bucket has been created successfully. Then select Bucket and click on that bucket.

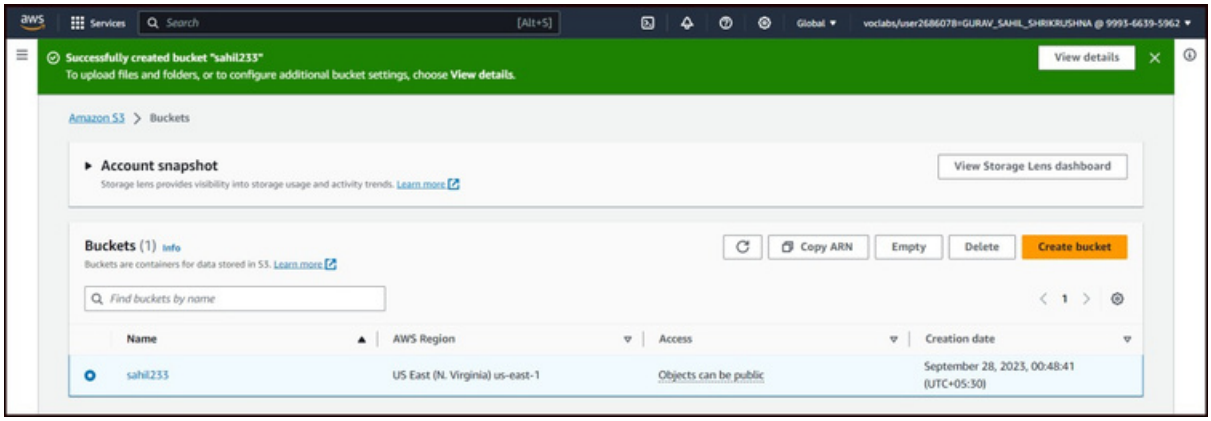


**Fig 9**

After clicking on Create Bucket we get the interface as shown in Fig 10. Then click on the "Upload" button and upload html file.

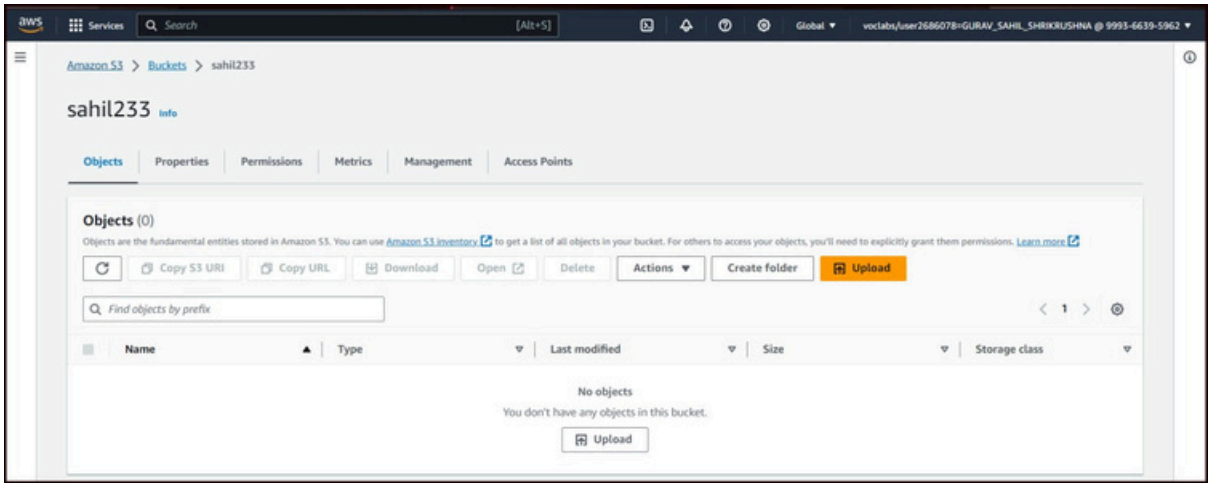


**Fig 10**

In Fig 11 we see that the index.html file has been uploaded. In other keep it as it is and click on “Upload” button.

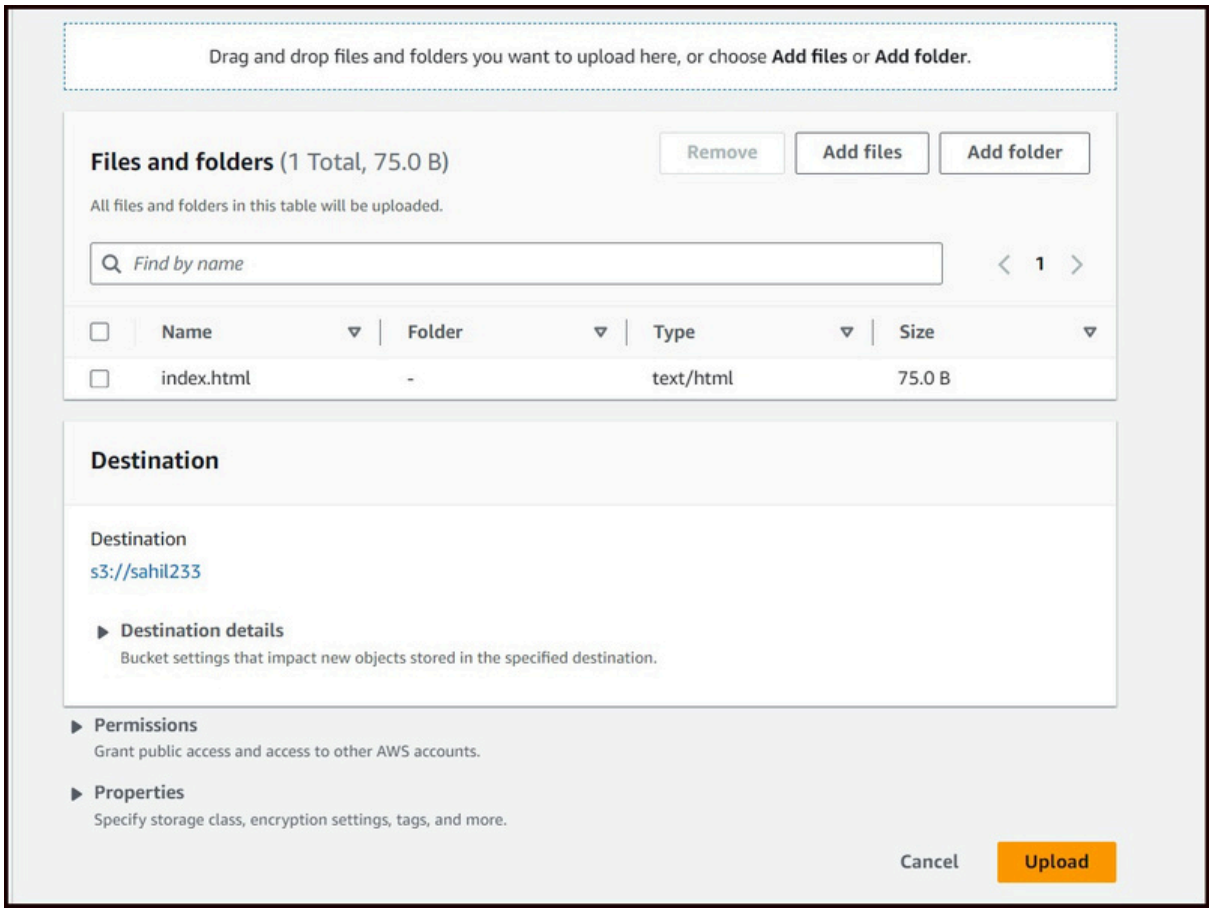


**Fig 11**

In Fig 12 we see that the index.html file has been uploaded successfully.

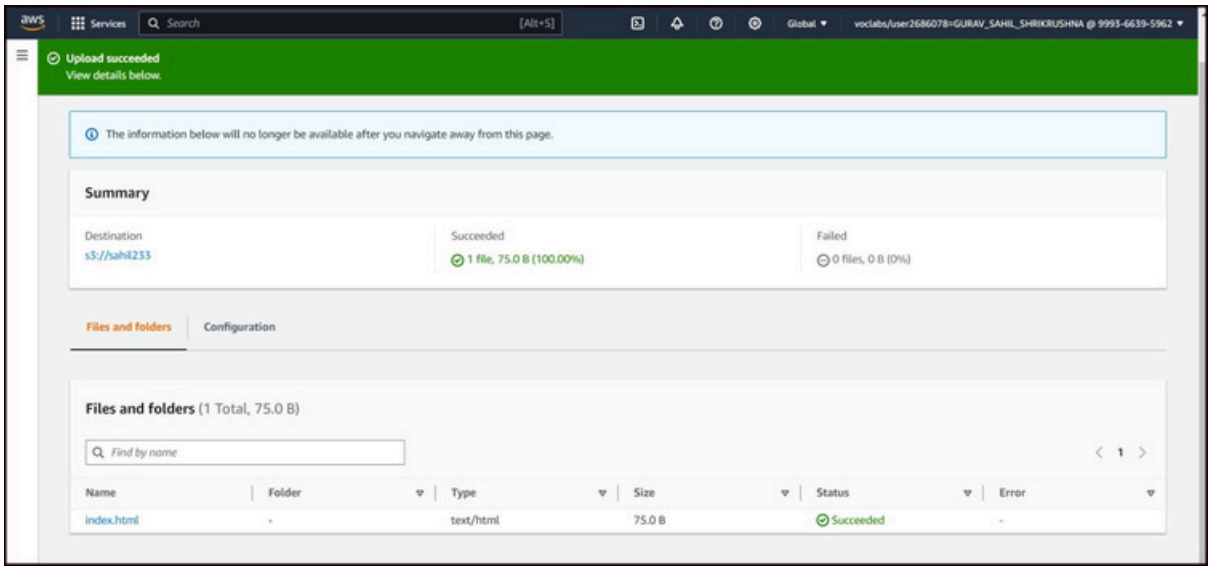


**Fig 12**

Then open the created bucket and select the uploaded file in it as shown in Fig 13. Then click on selected image.

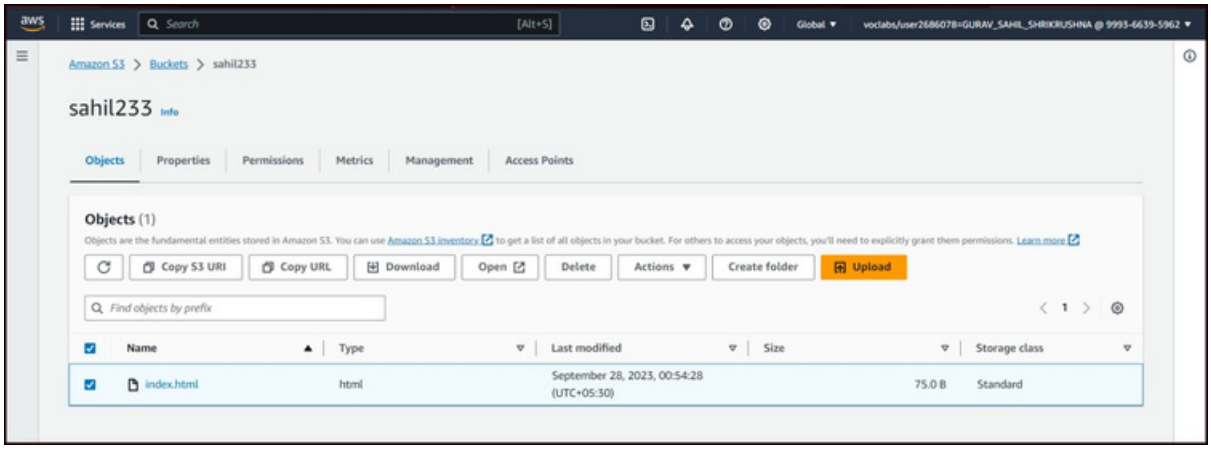


**Fig 13**

After clicking on the image we get the interface as shown in Fig 14 then click on “Permission” tab.

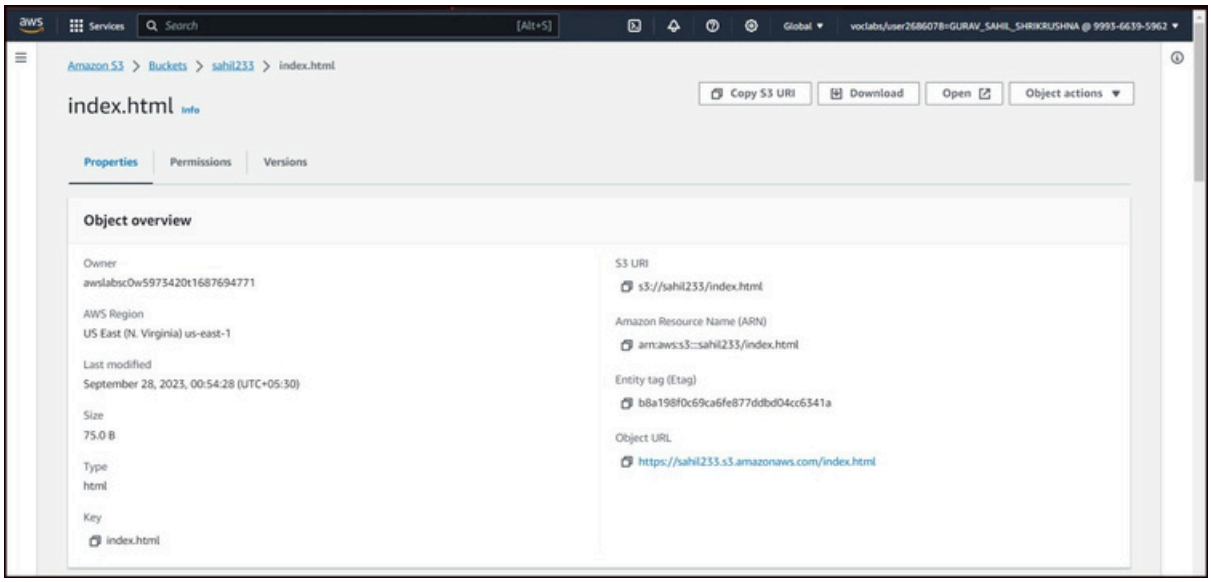


**Fig 14**

In Fig 15, we can see the details of the Permissions tab. Then click "Edit" in the Access Control List (ACL).

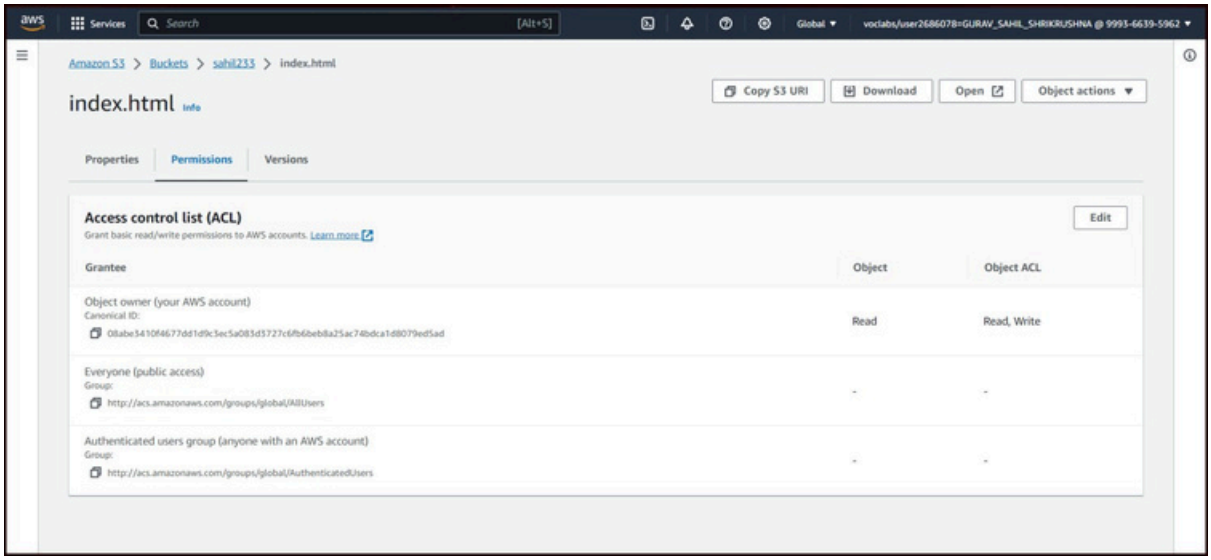


**Fig 15**

Enable public access and authenticate the user group in "Edit access control list" as shown in Fig 16

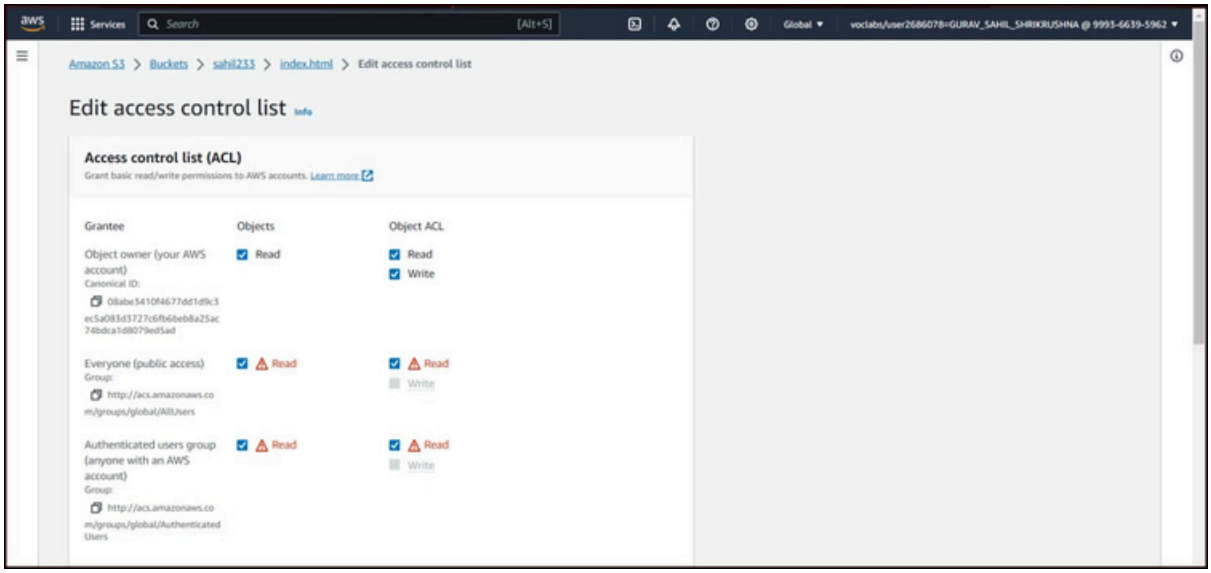


**Fig 16**

Keep the others as they are in "Edit Access Control List" and click "Save Changes" as shown in Fig 17.

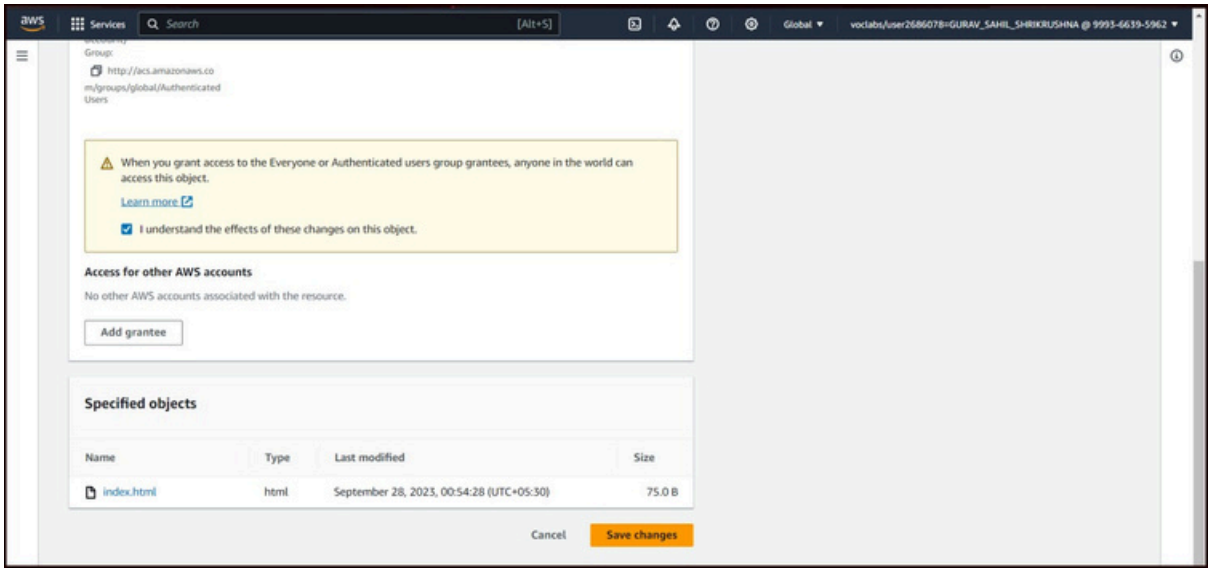


**Fig 17**

Then reopen the created bucket and open the uploaded file. Copy the "Object URL" as shown in Fig 18.

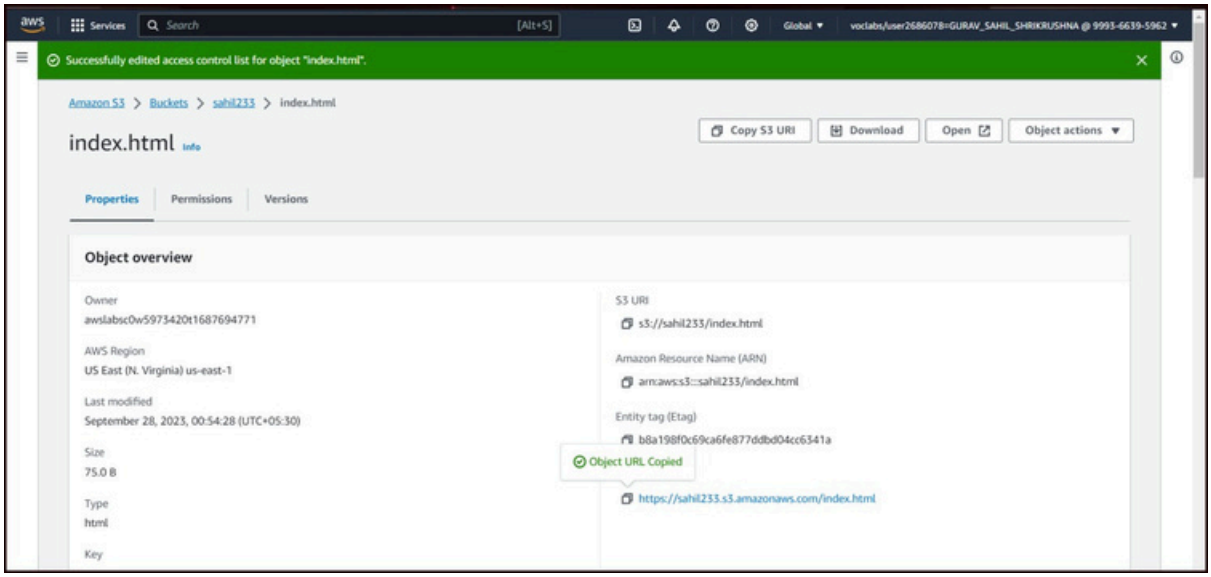


**Fig 18**

Paste the copied “Object URL” on the new tab as shown in Fig 19 and we can see the output of the static web page.

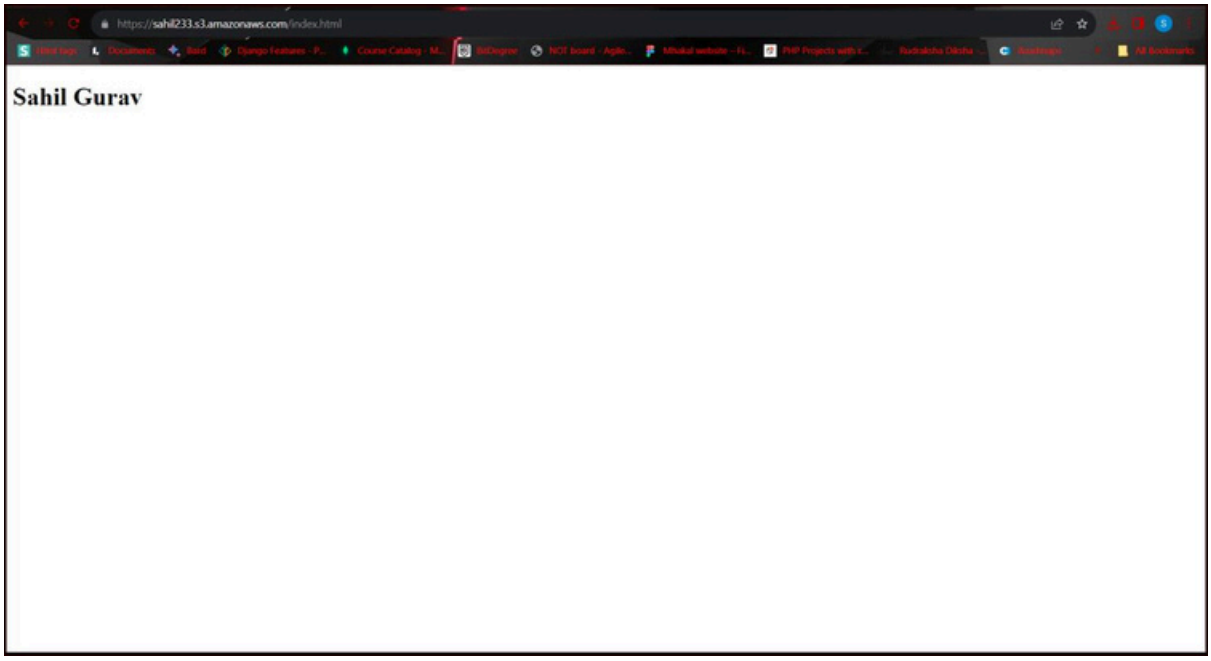


**Fig 19**

To delete a bucket, first delete the files inside it, for this select the uploaded file and click on "Delete" button as shown in Fig 20 .

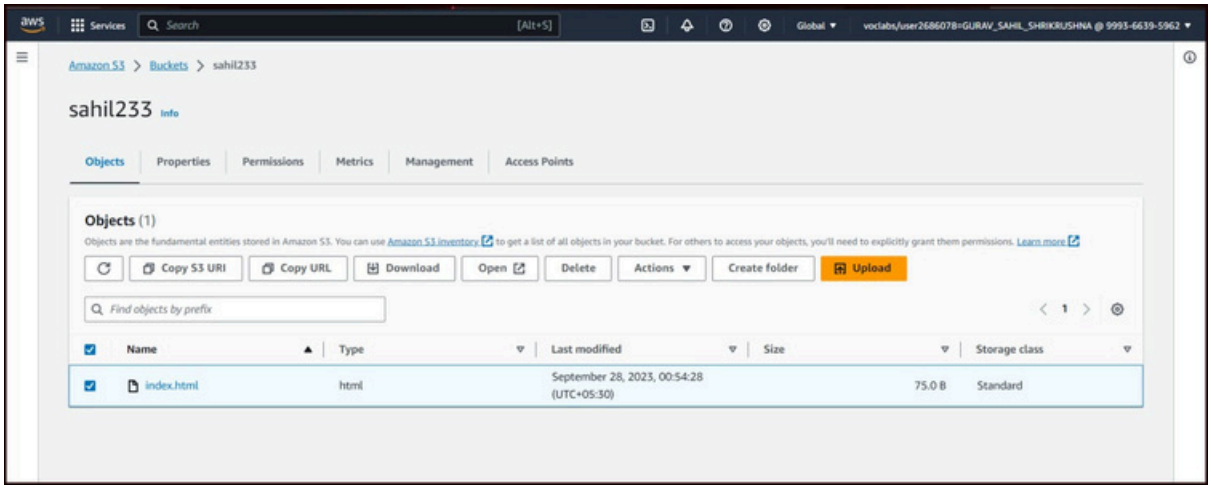


**Fig 20**

In Fig 21 we can see that the object has been successfully deleted.

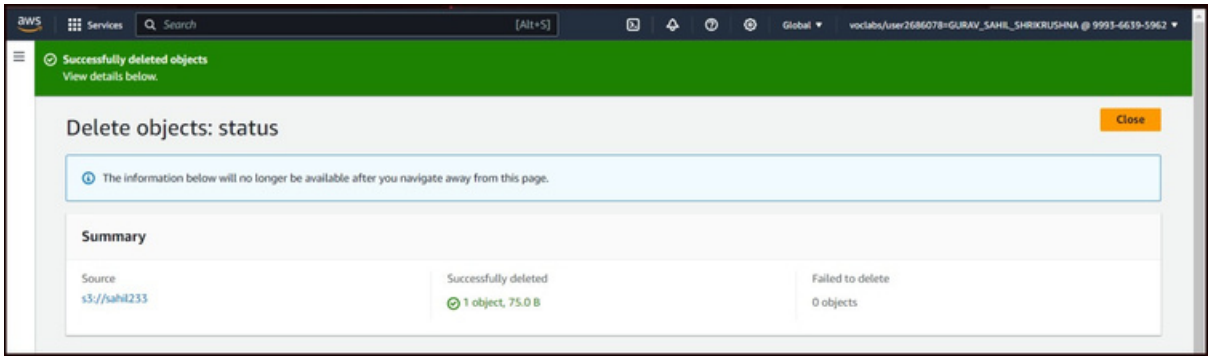


**Fig 21**

Then select the created bucket and click on “Delete” button to delete the bucket as shown in Fig 22

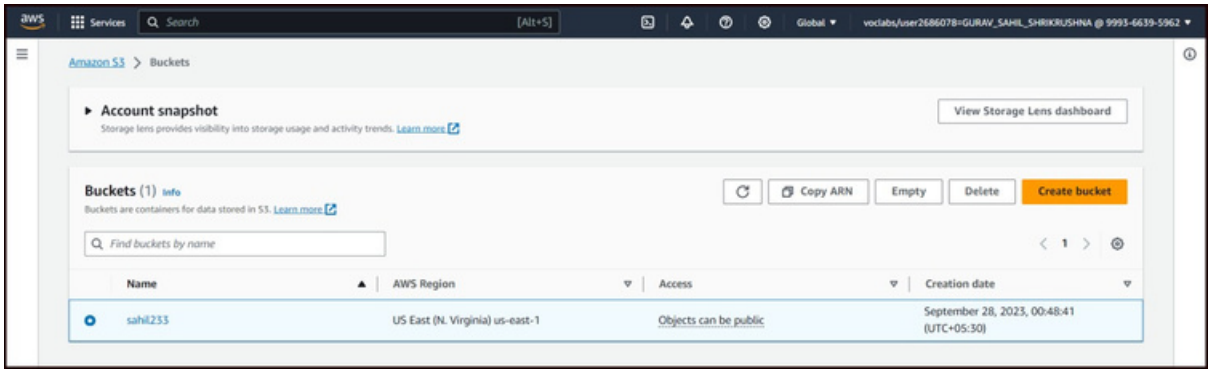


**Fig 22**

In Fig 23 we can see that the created bucket has been deleted successfully

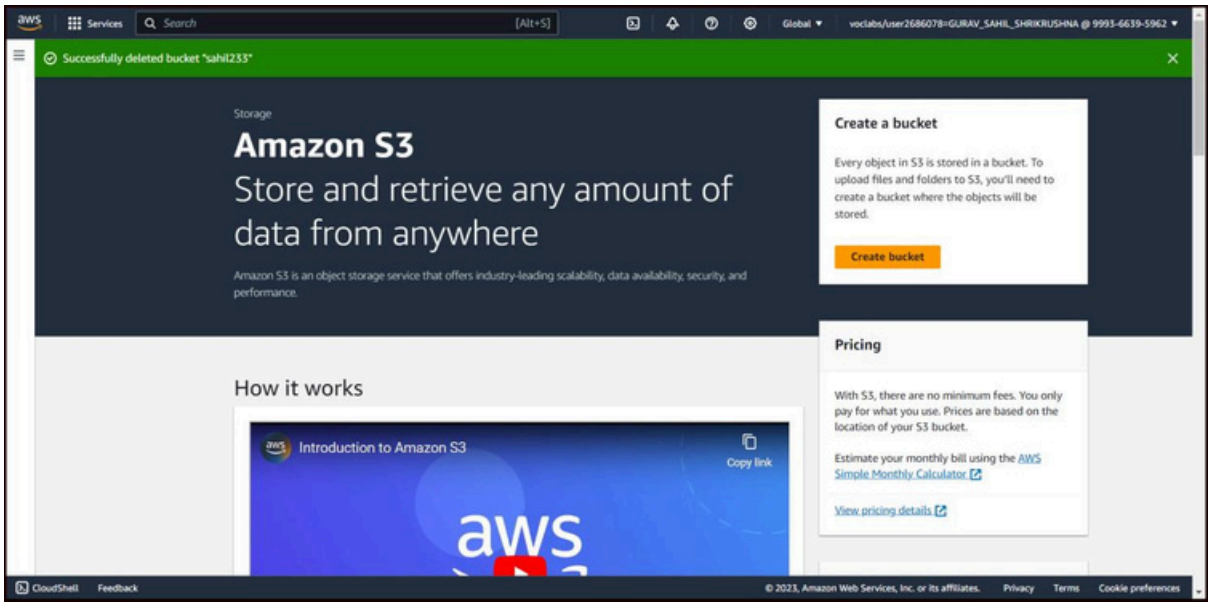

**Fig 23**