S3 Storage Fundamentals Lab

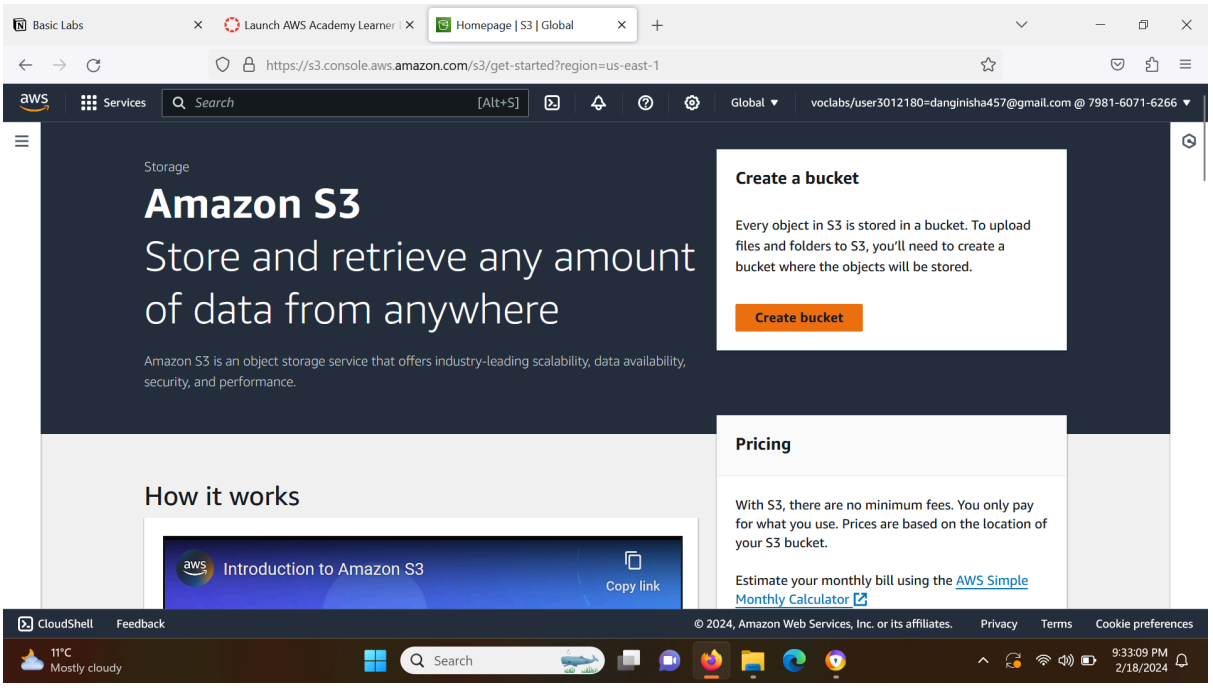
Objective: To gain hands-on experience with Amazon S3 by performing basic storage operations.

Approach: This lab involves creating an S3 bucket, uploading files to it, and setting up bucket policies for access control. Students will explore the S3 management console, learn about object storage, and understand the concepts of buckets and objects.

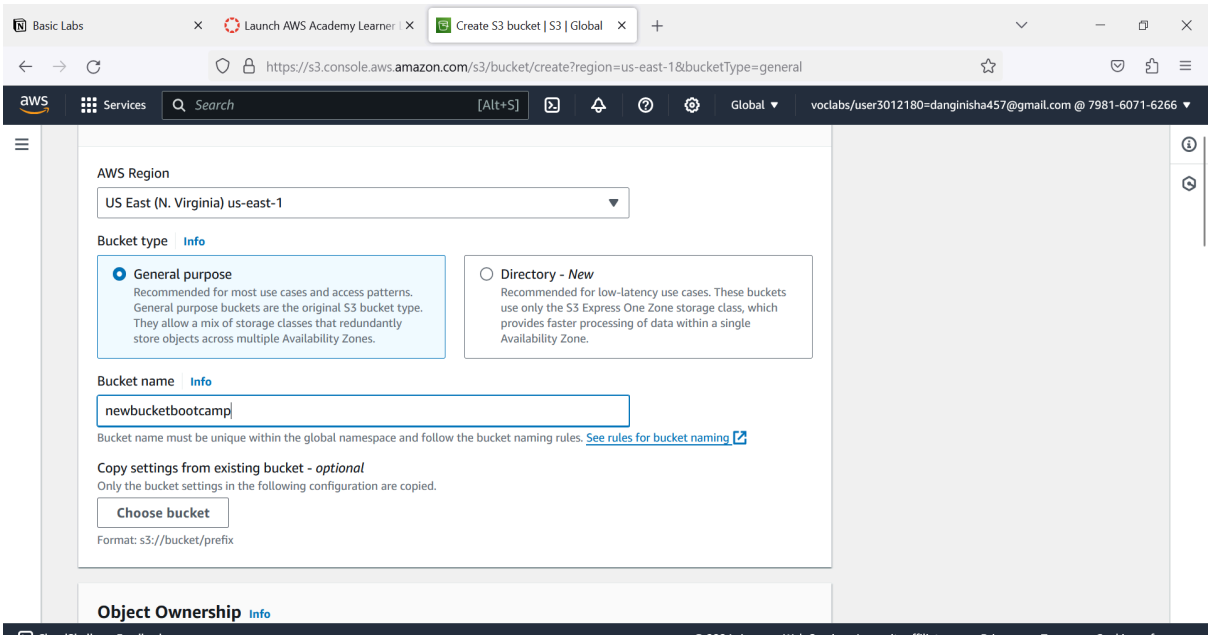
Goal: Students will understand how to use S3 for storing and managing data, learn about S3 security and permissions, and become familiar with S3's user interface.

Solution:

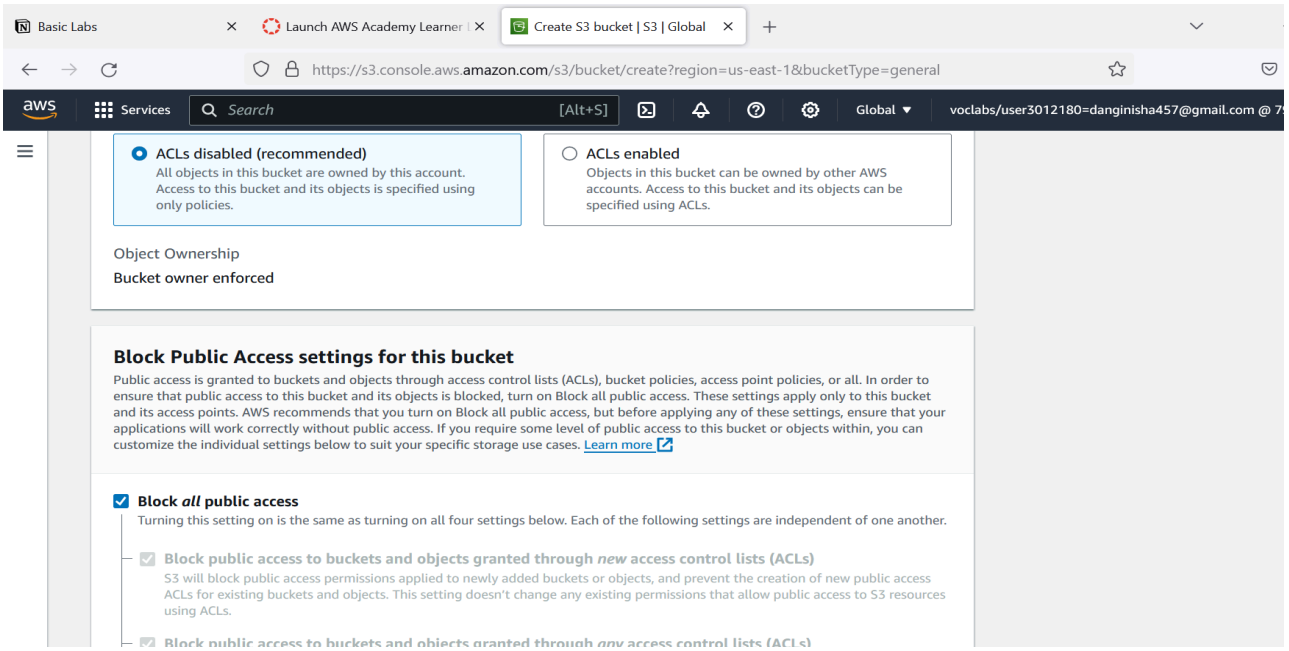
Step 1: We start by creating a bucket



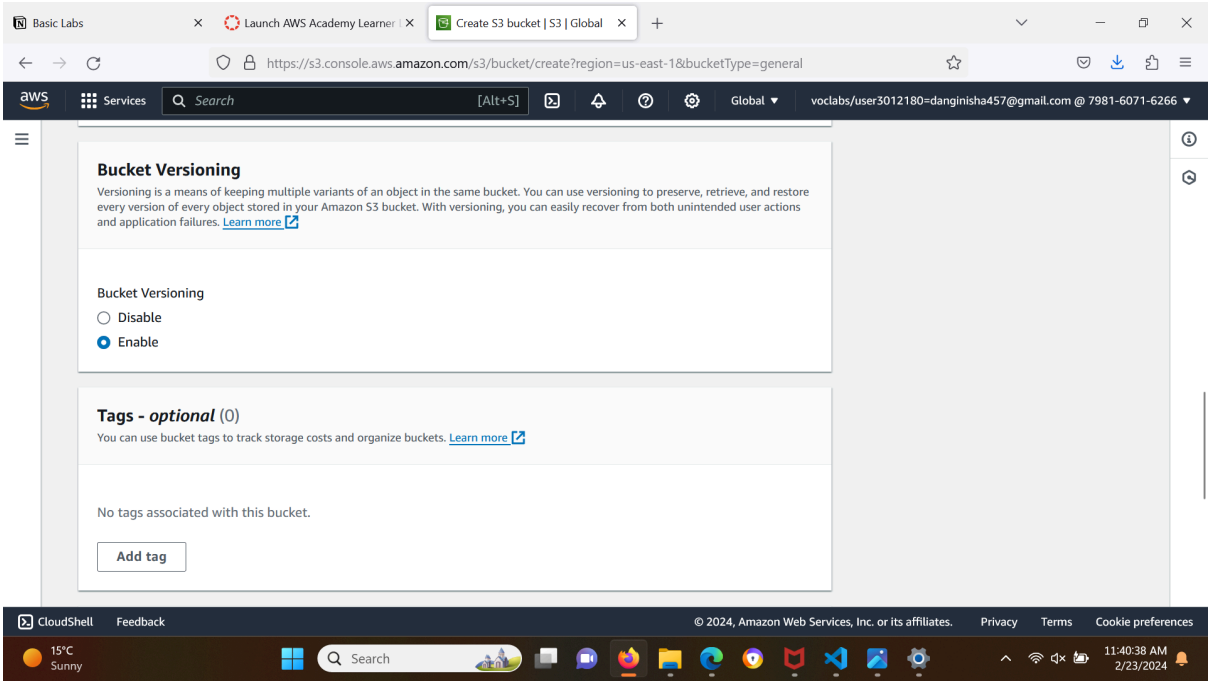
Step 2: We give a unique name to the bucket.

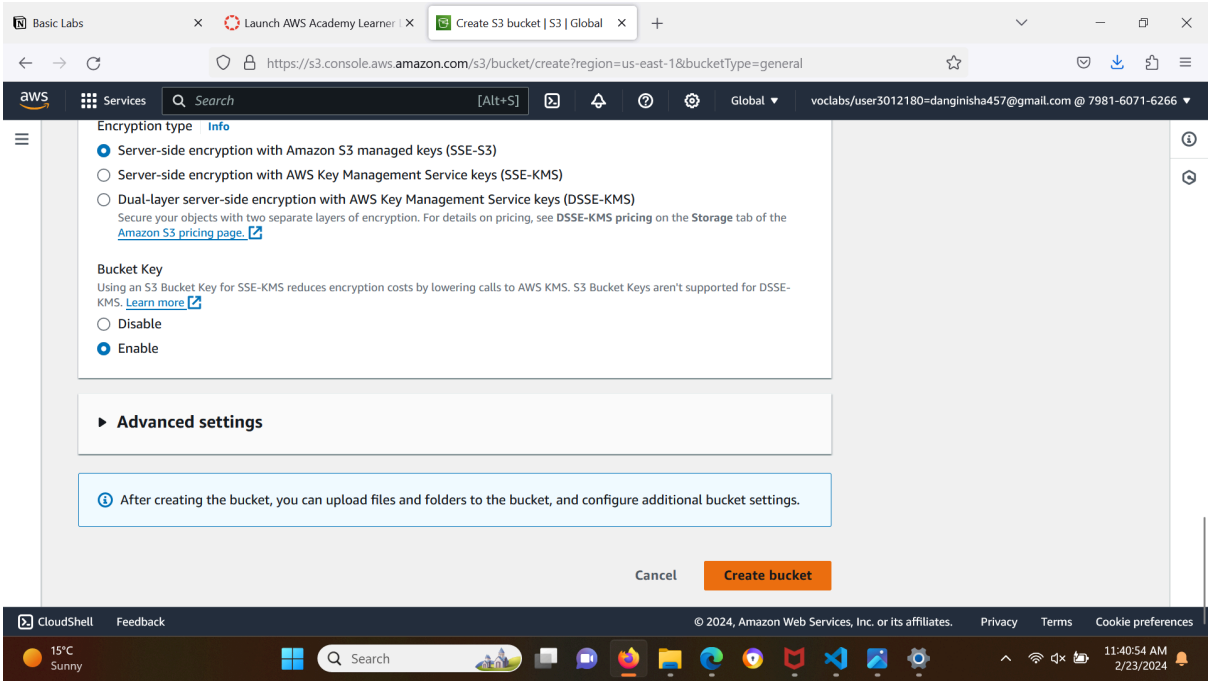


Step 3: Then, tick the checkbox to block all the public access.

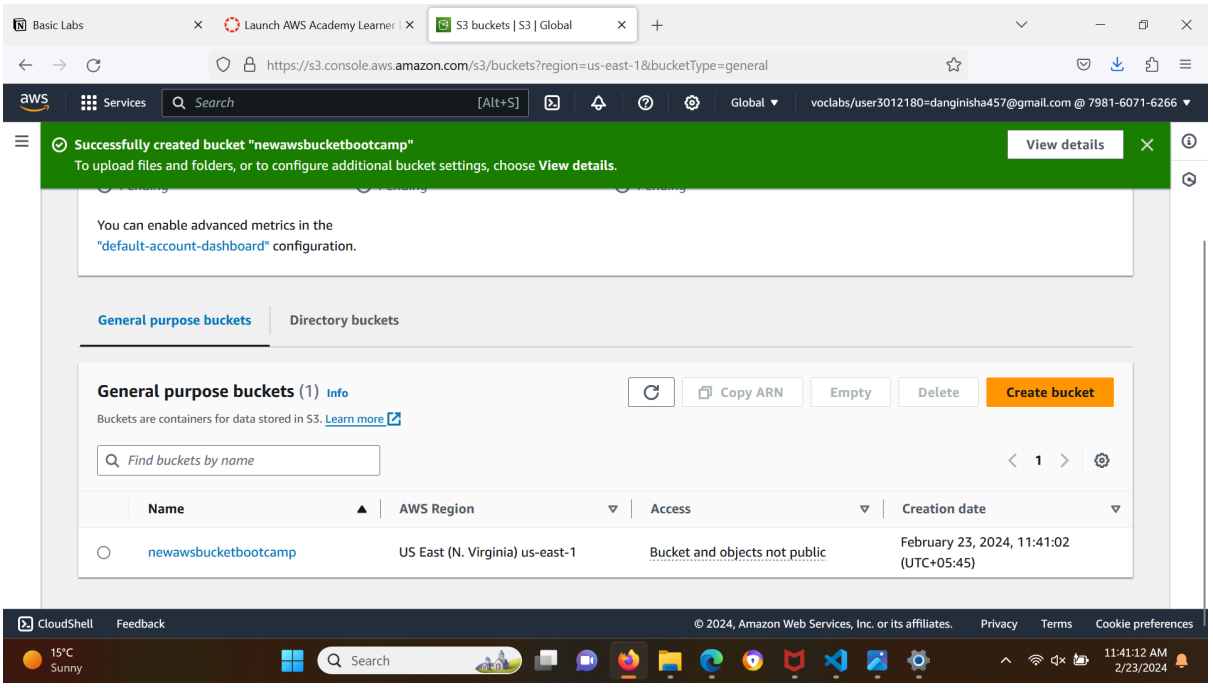


Enable bucket versioning and bucket key. Then click on “Create Bucket” button.

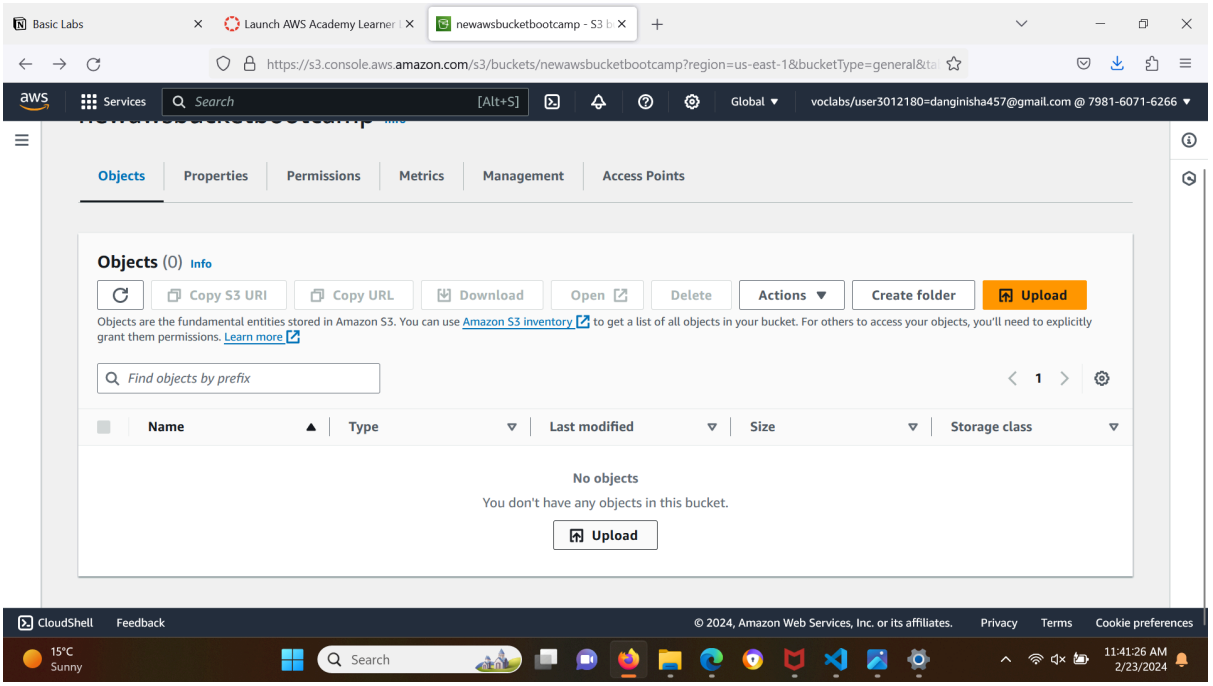




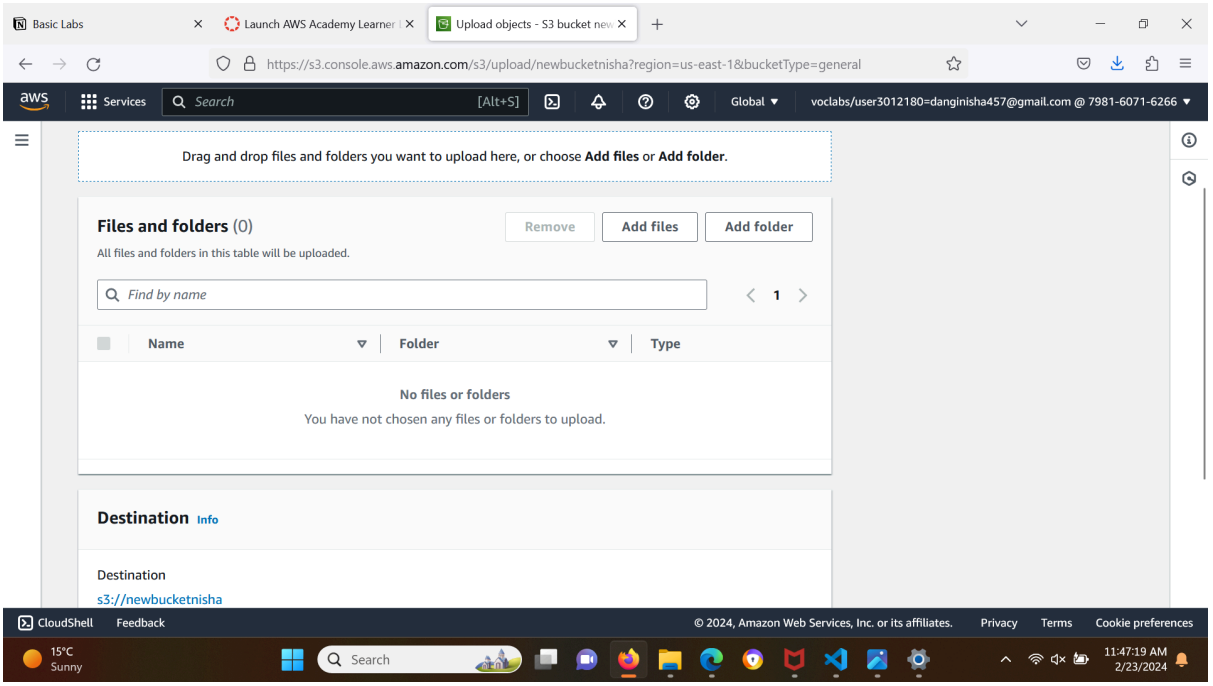
We can see our bucket is created.



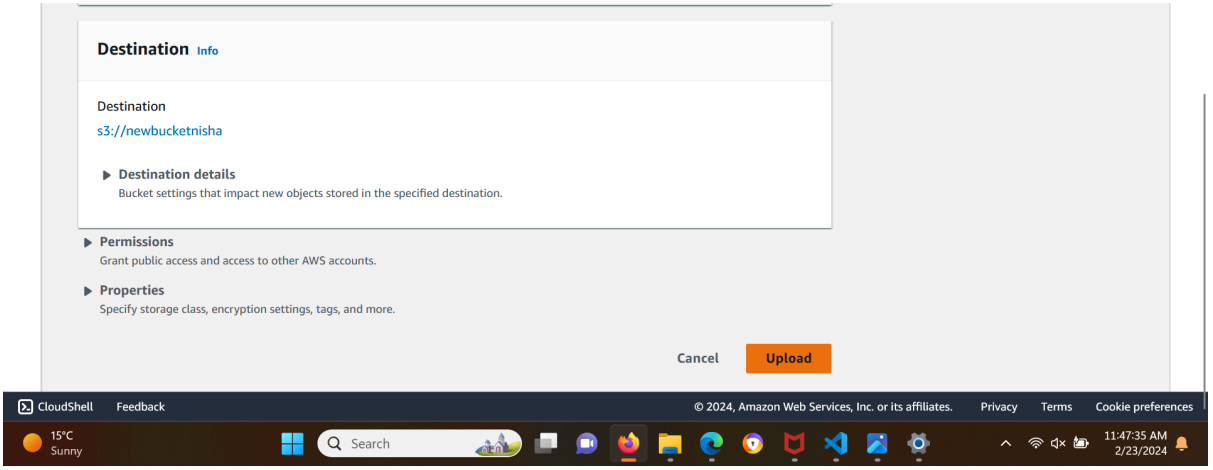
Step 4: Now, we can upload files here.
Click the “Upload” button.



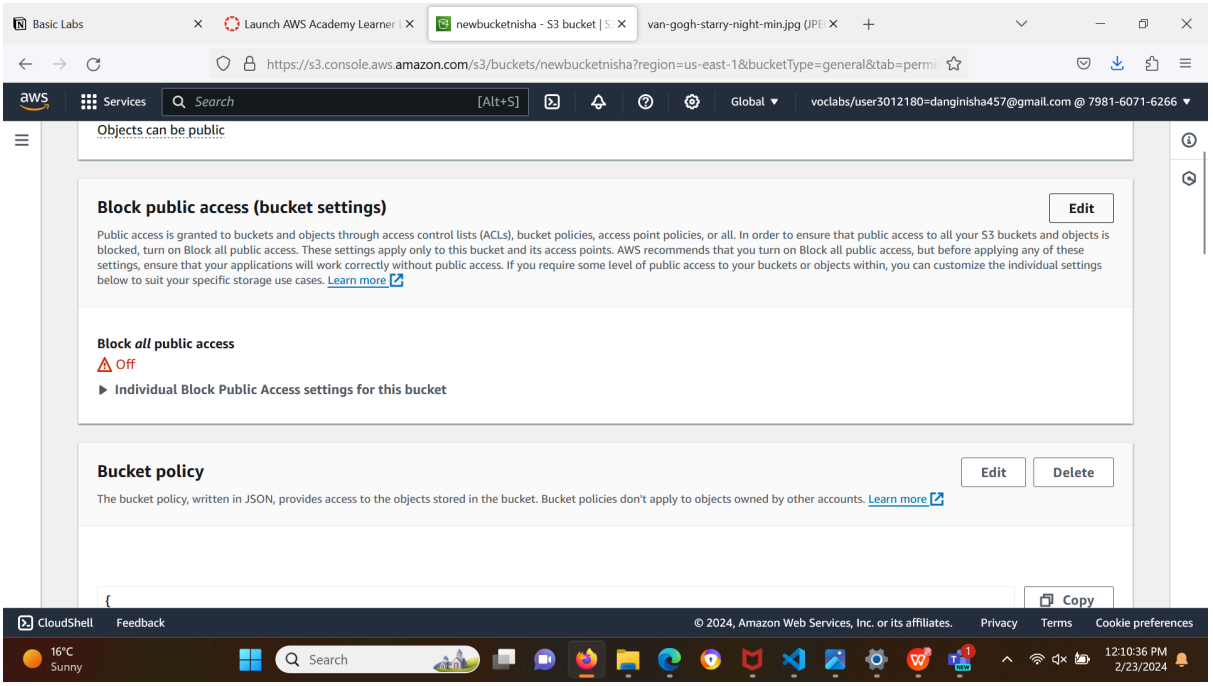
Then click on “Add files”



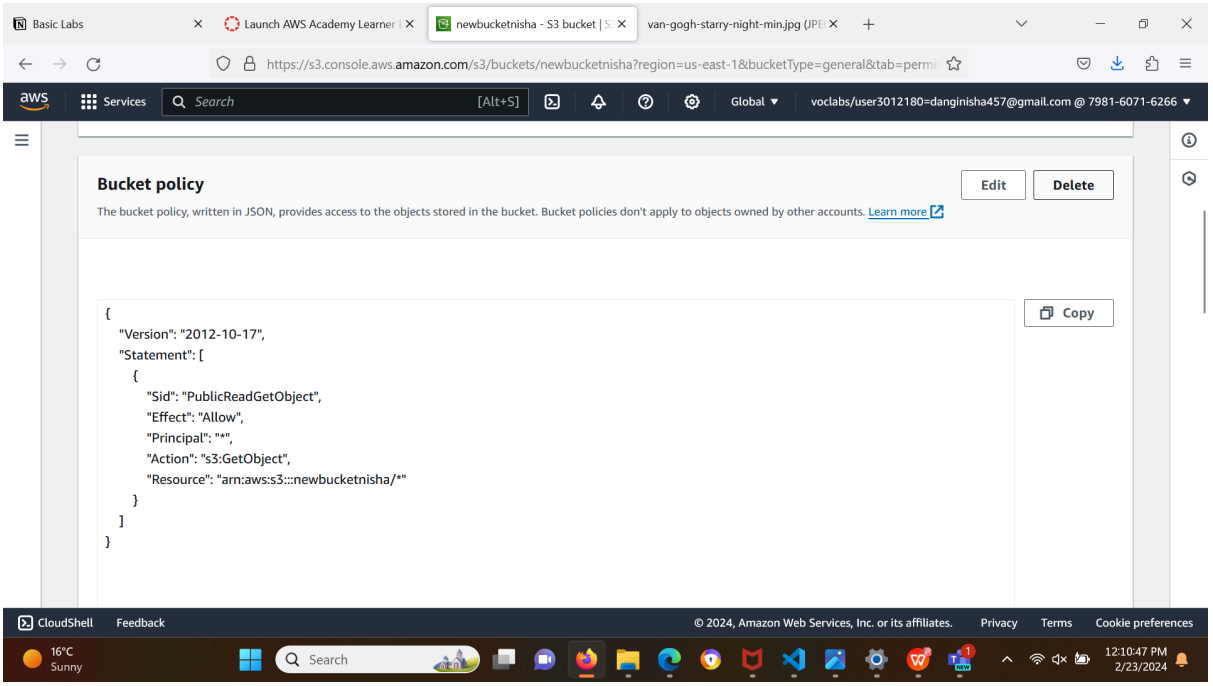
Then, click on the “Upload” button.



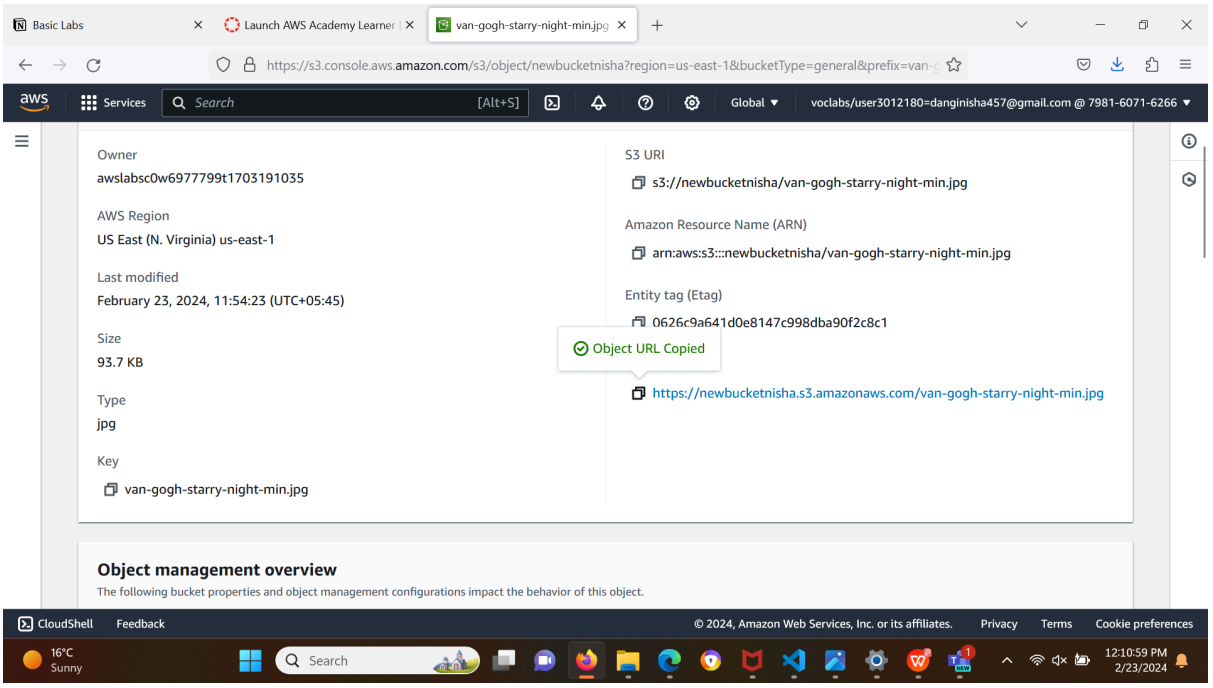
Step 5: Then, we can edit the bucket settings. Here, I have blocked public access.



Step 6: This code allows uploading files to a specific S3 bucket.



Step 7: We can see object details over here. Using this URL, we can view the file uploaded.



Here's the file.