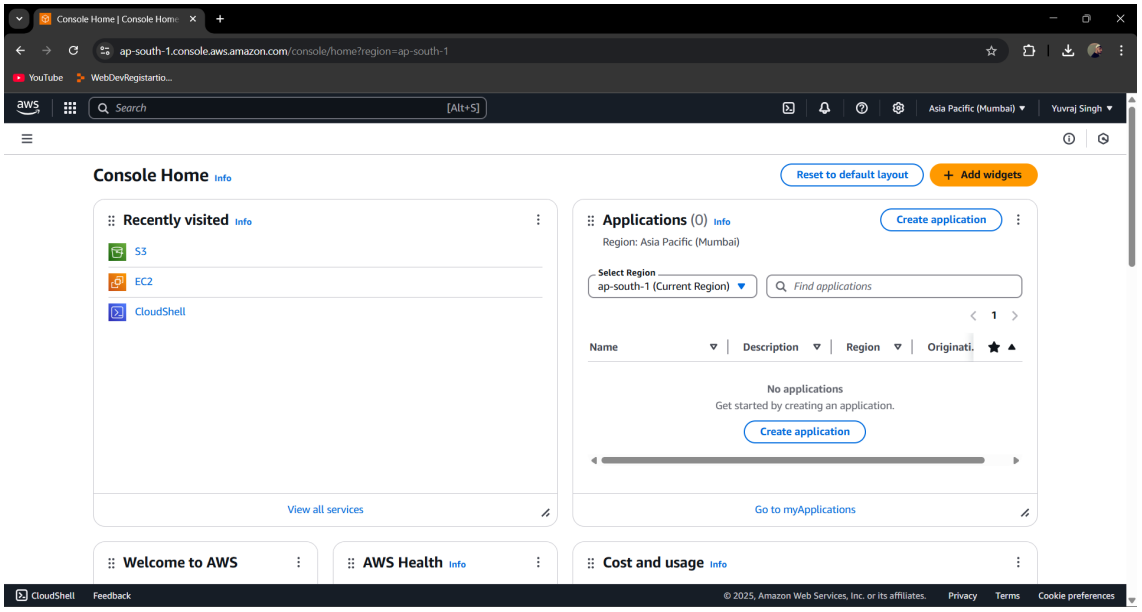
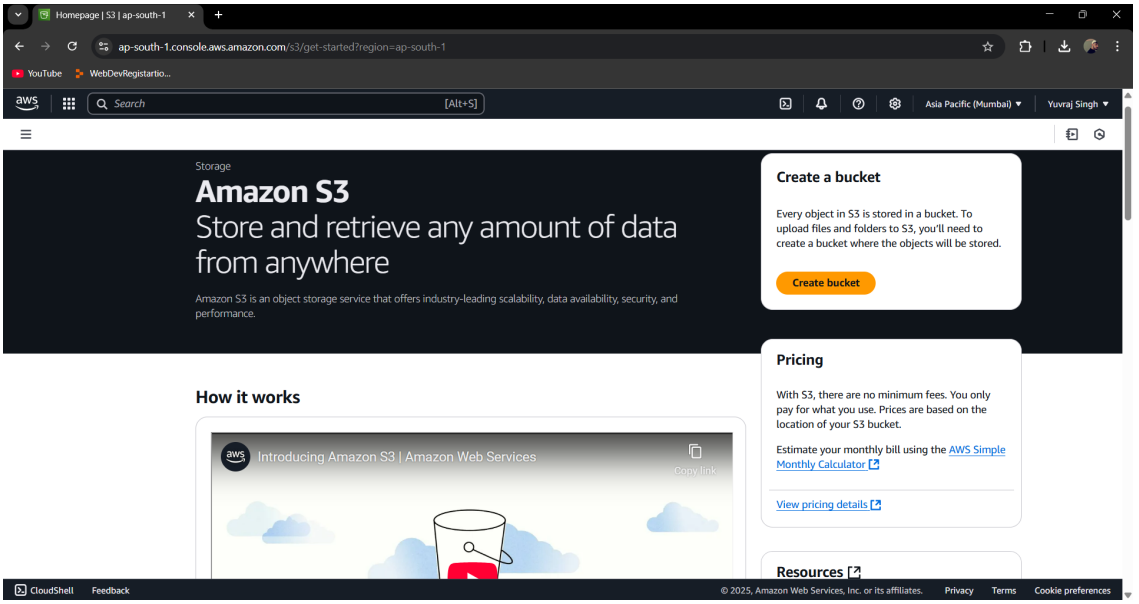
EXPERIMENT 2: Working with Amazon S3 Orchestrating Serverless Functions with AWS Step Functions

Steps for creating a S3 Bucket

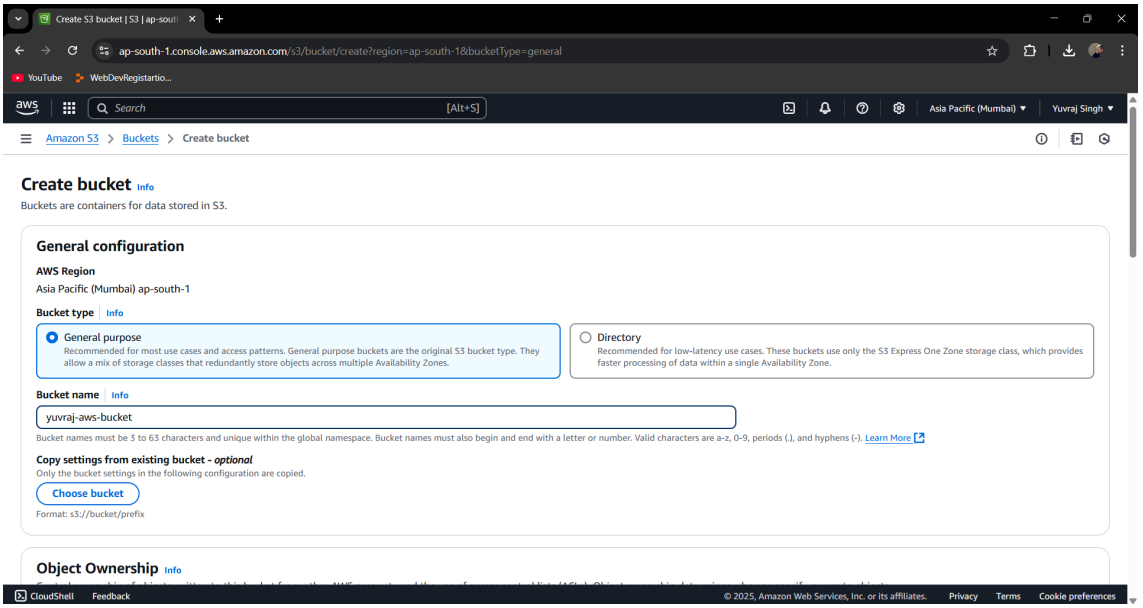
Step 1: Login to AWS Account



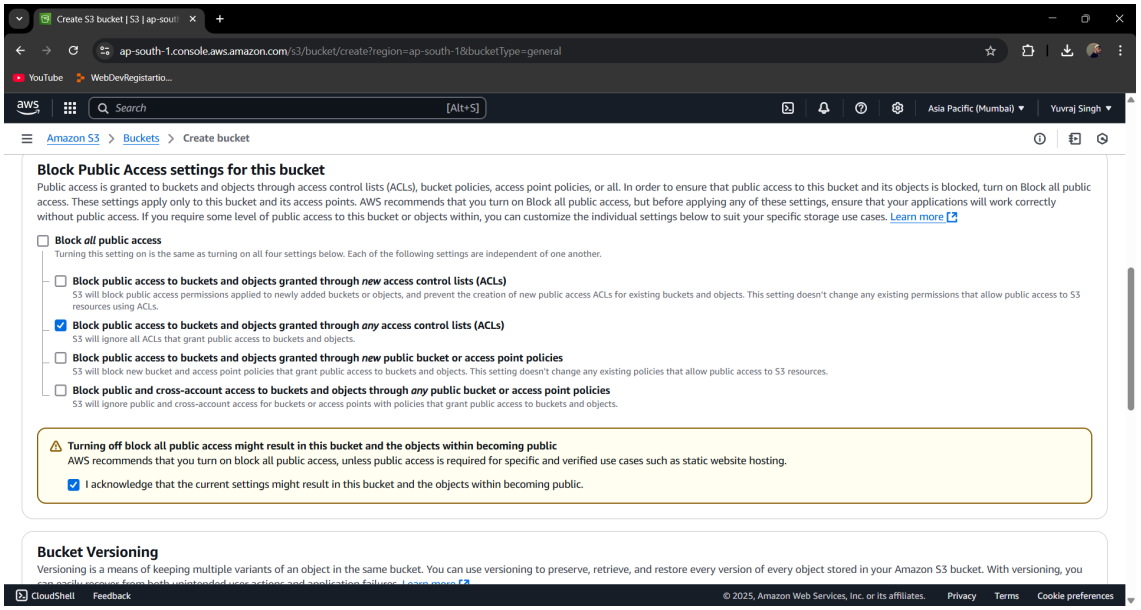
Step 2: Open Amazon S3 Dashboard and click on Create Bucket button



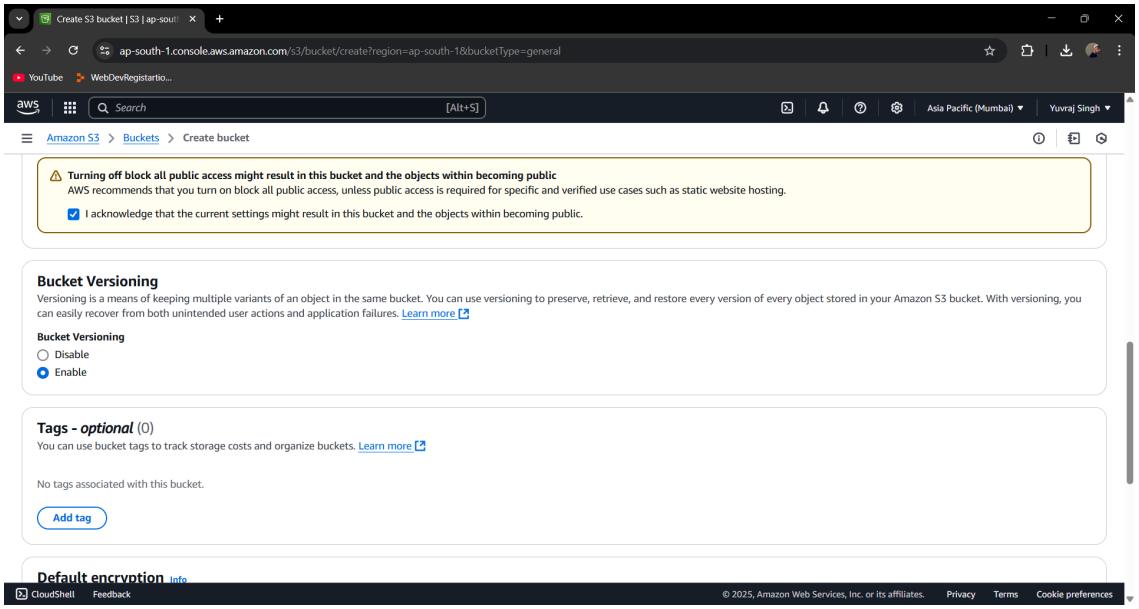
Step 3: In General Configuration, Select Bucket type as General and type a Bucket name (e.g. yuvi-aws-bucket)



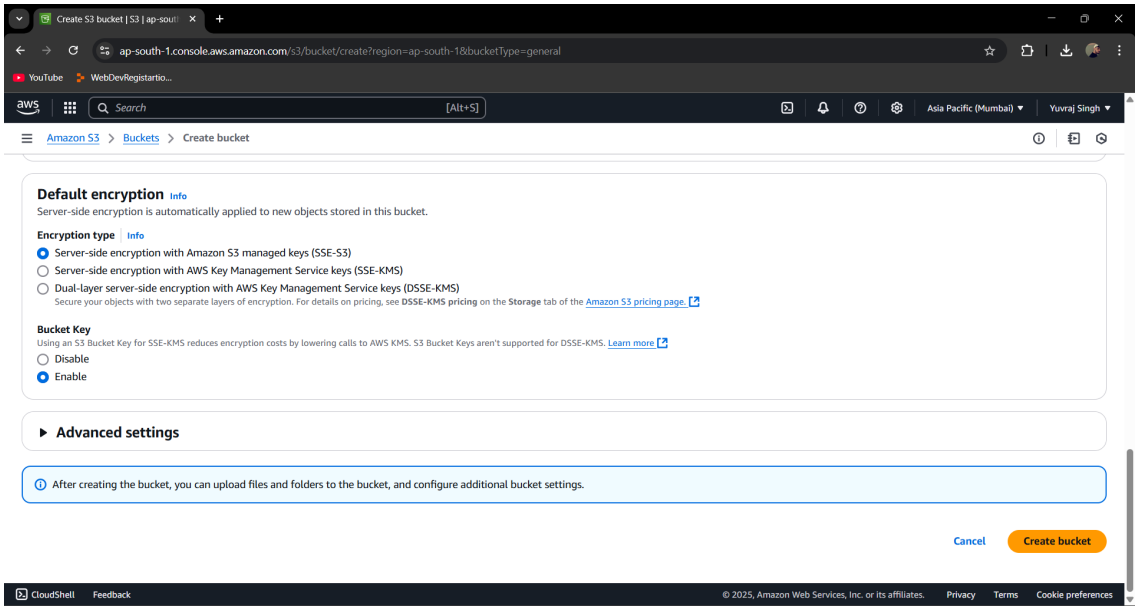
Step 4: Uncheck Block all public access option under Block Public Access settings for this bucket and also check the acknowledgement displayed inside Yellow Caution box



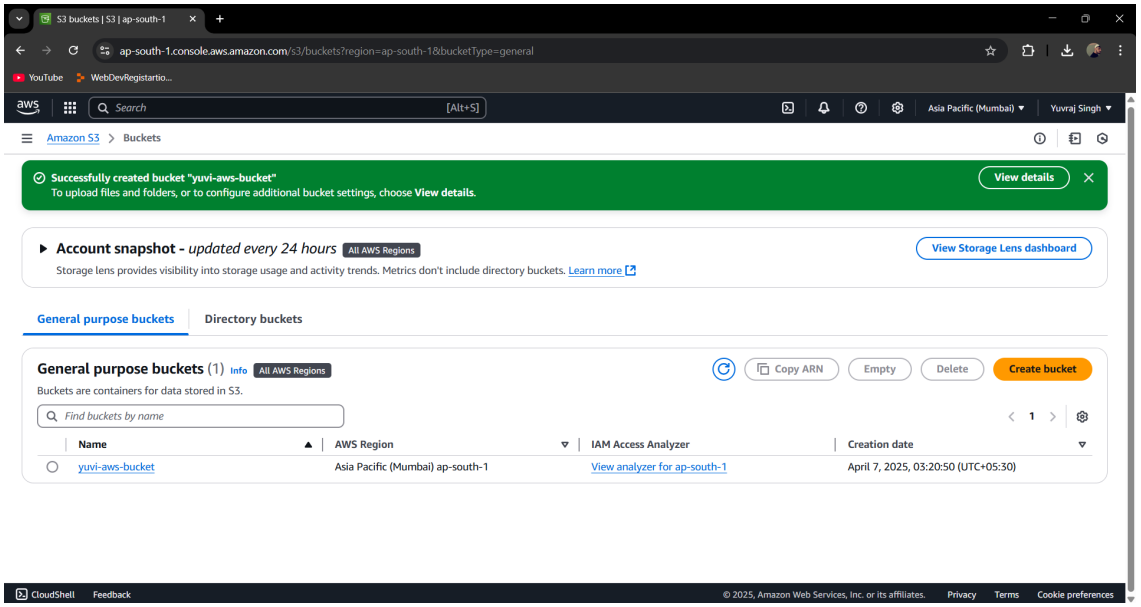
Step 5: Turn on Bucket Versioning by checking Enable option



Step 6: Leave rest of options as default and click on Create Bucket button

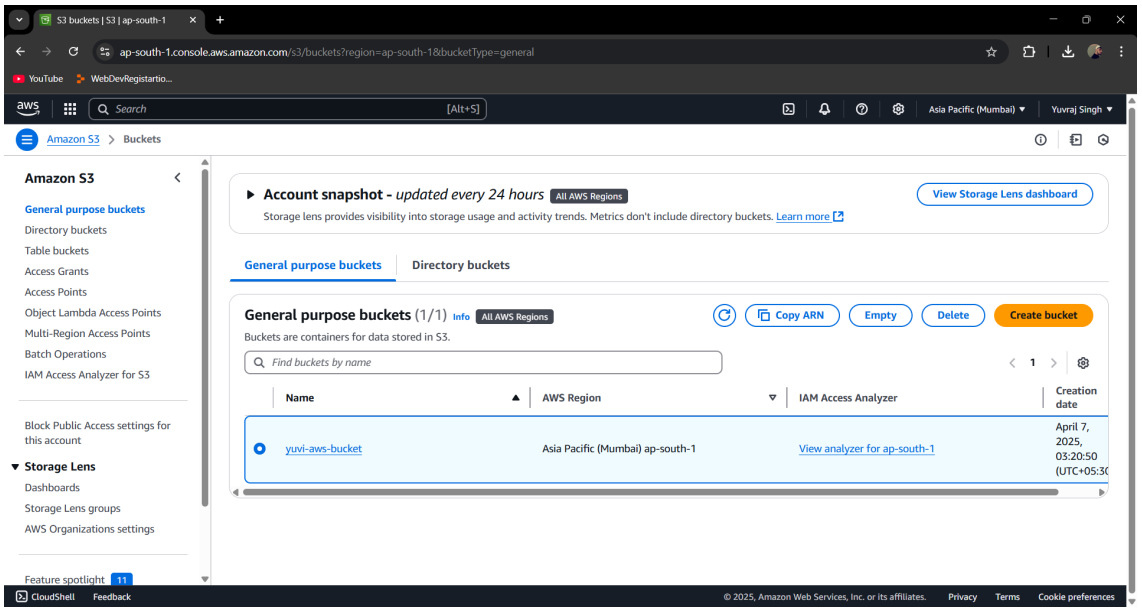


Step 7: Notification regarding successful creation of bucket would be displayed

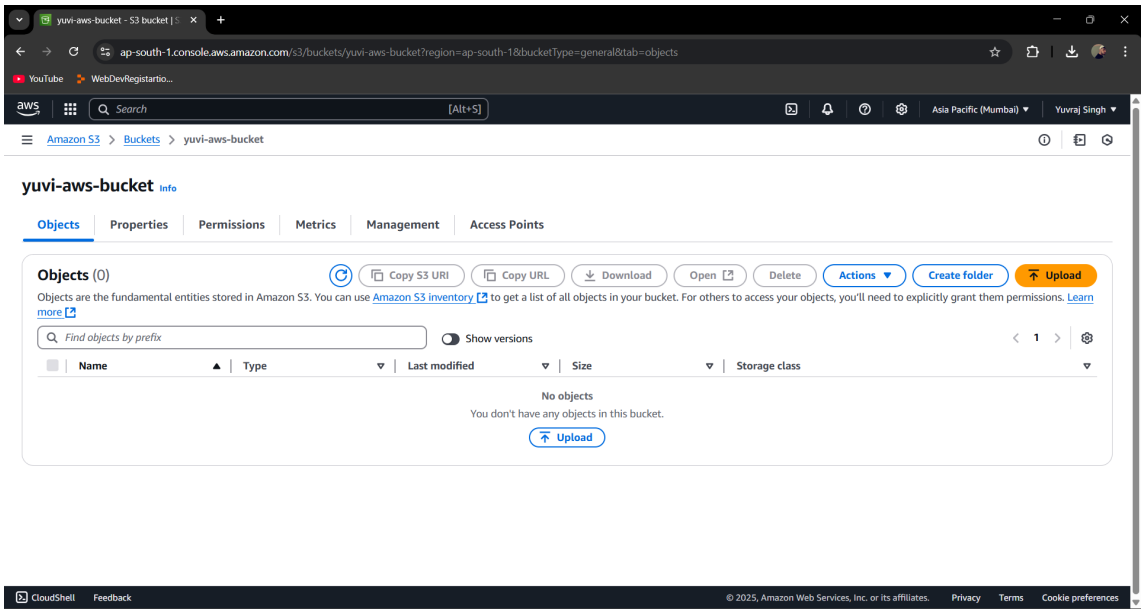


Steps for Uploading a File

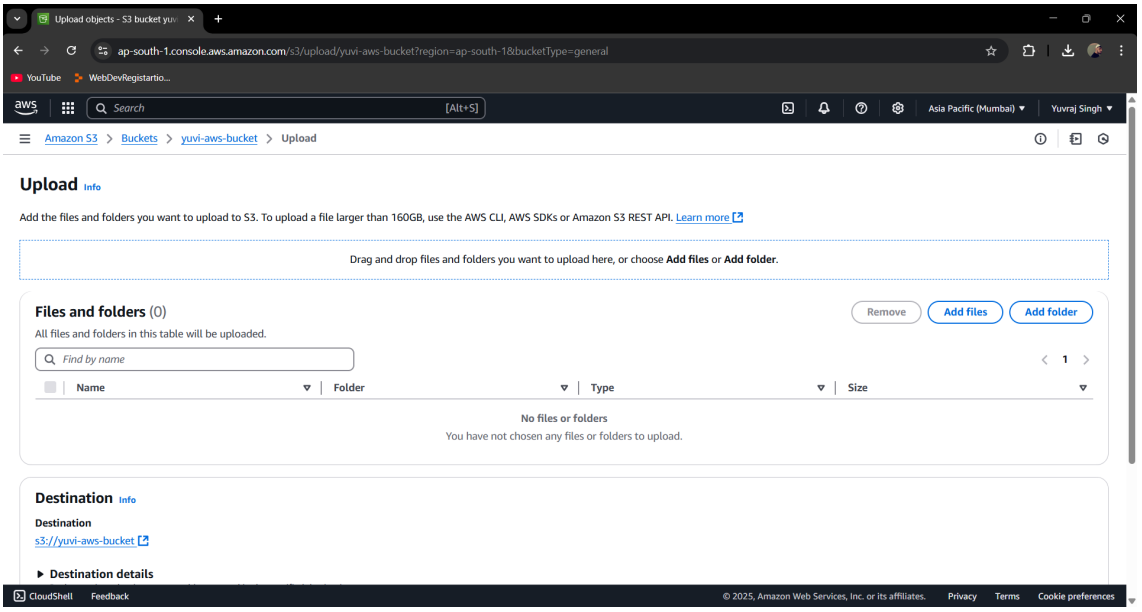
Step 1: Go to General purpose buckets and Click on bucket created.



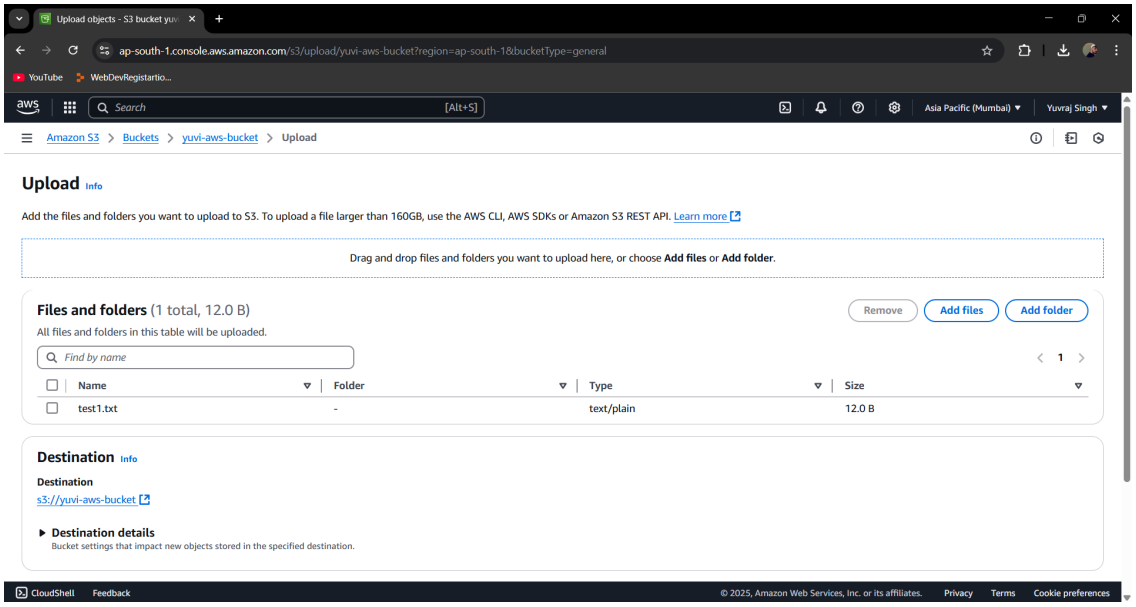
Step 2: Click on Upload button



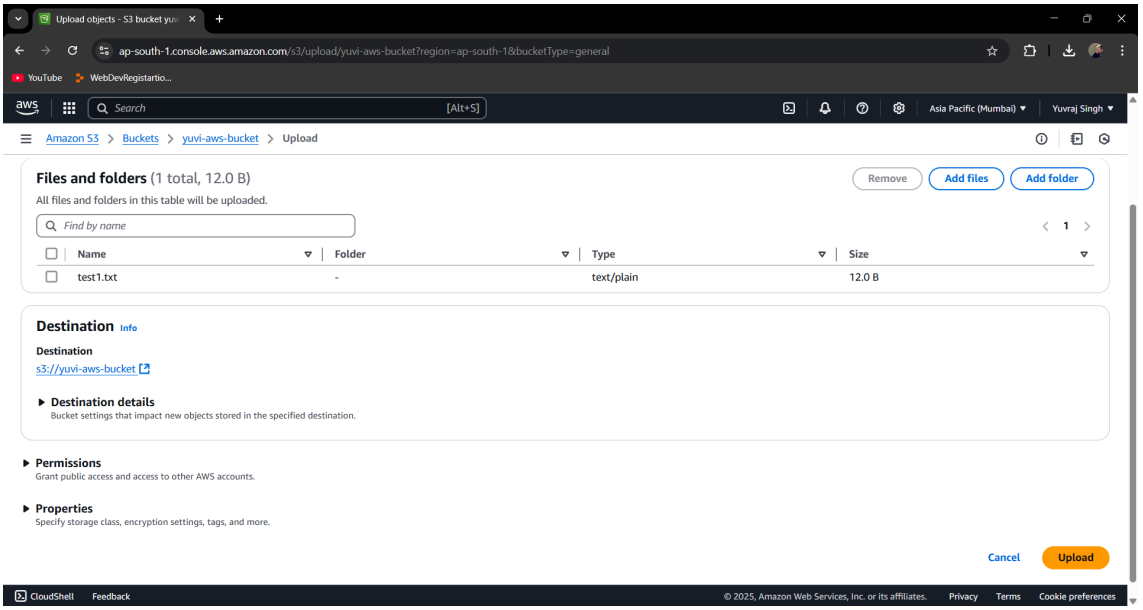
Step 3: Click on Add files



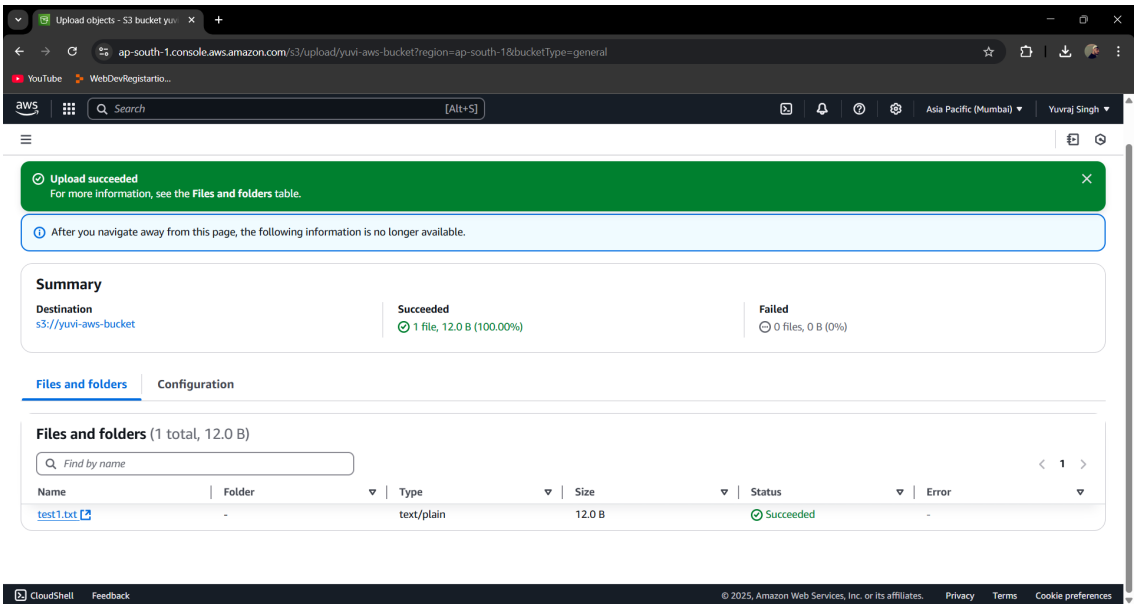
Step 4: Select the file to upload and click on open



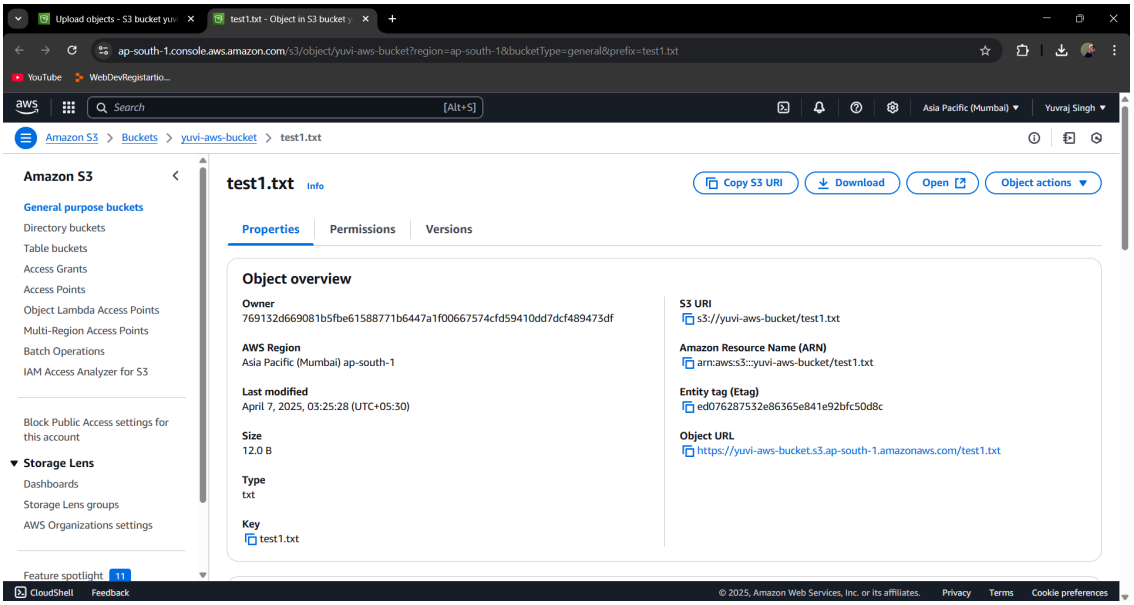
Step 5: Scroll down and click on Upload



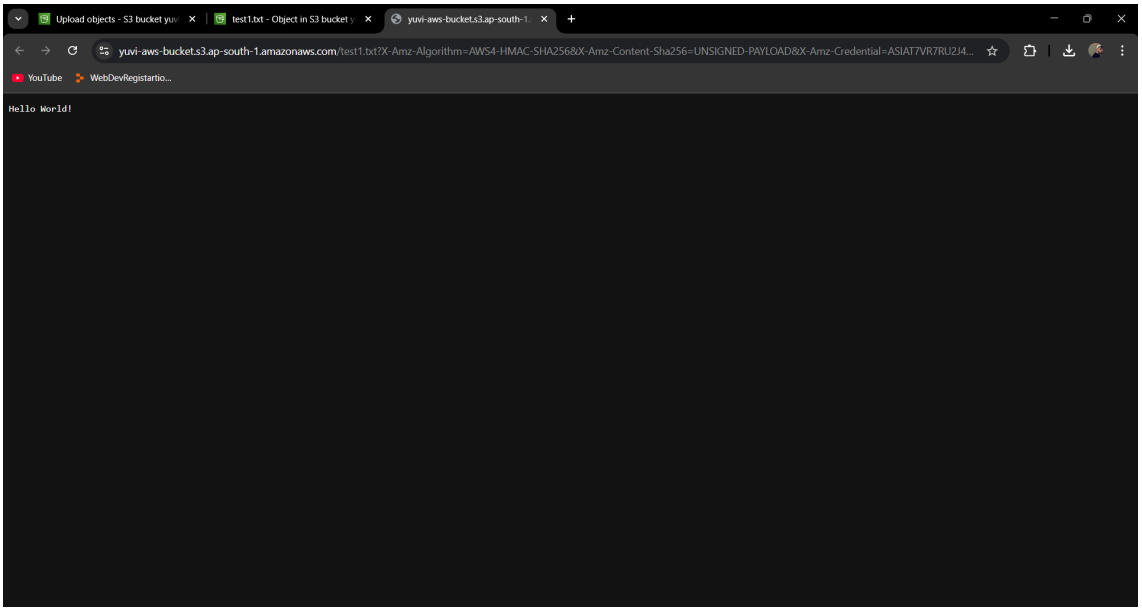
Step 6: Upload successful notification is displayed we can see the properties of the file (test.txt) by clicking on the file name



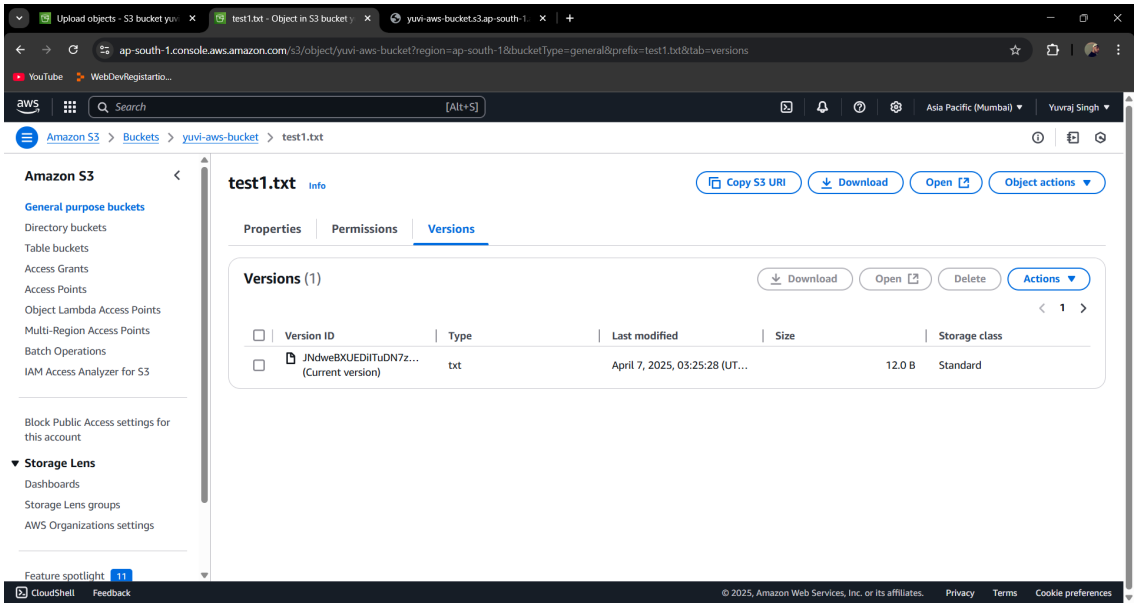
Step 7: Click on Open option to view contents of file uploaded



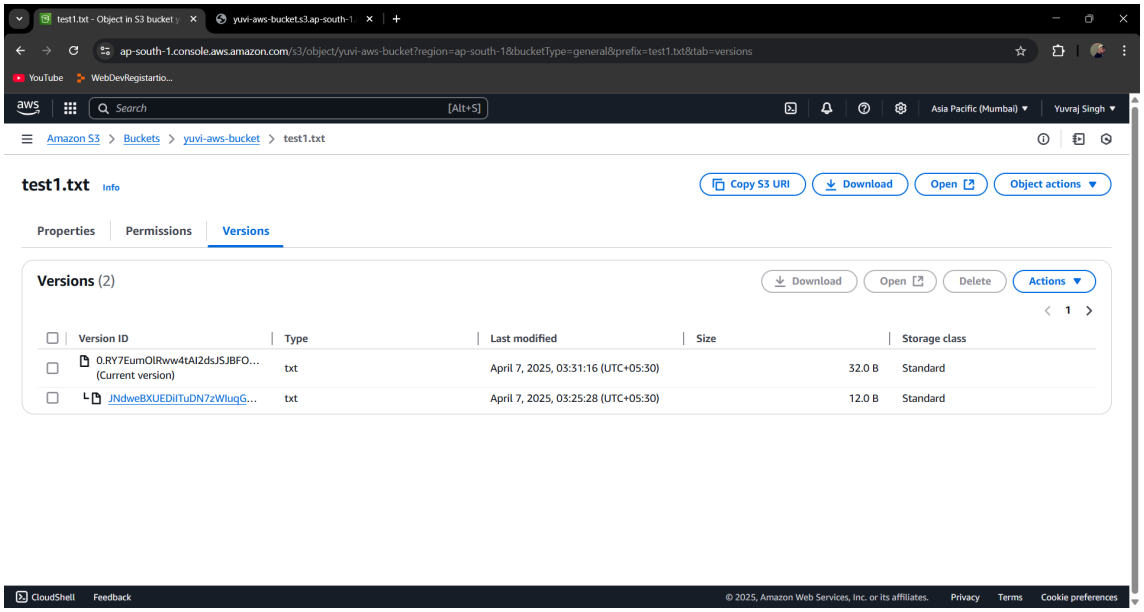
Step 8: Contents of the file will be opened in a new tab



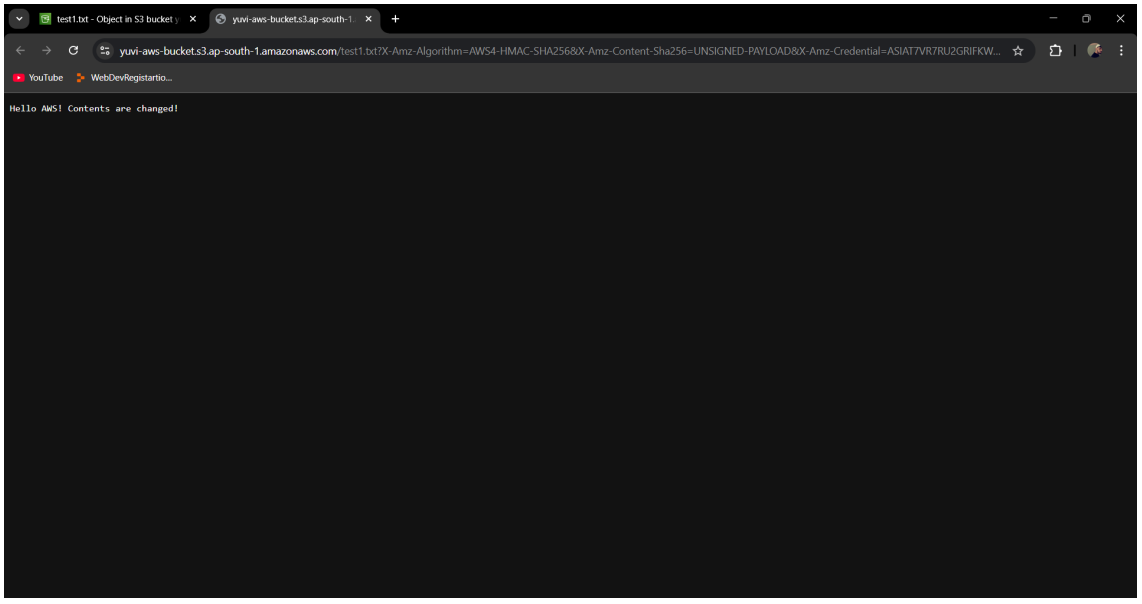
Step 9: Go back and click on Version tab of Uploaded Files and keep track of version of uploaded file



Step 10: Now change the contents of same file on local system and upload the file again and check the versions tab and observe the newer version created and once again open the file

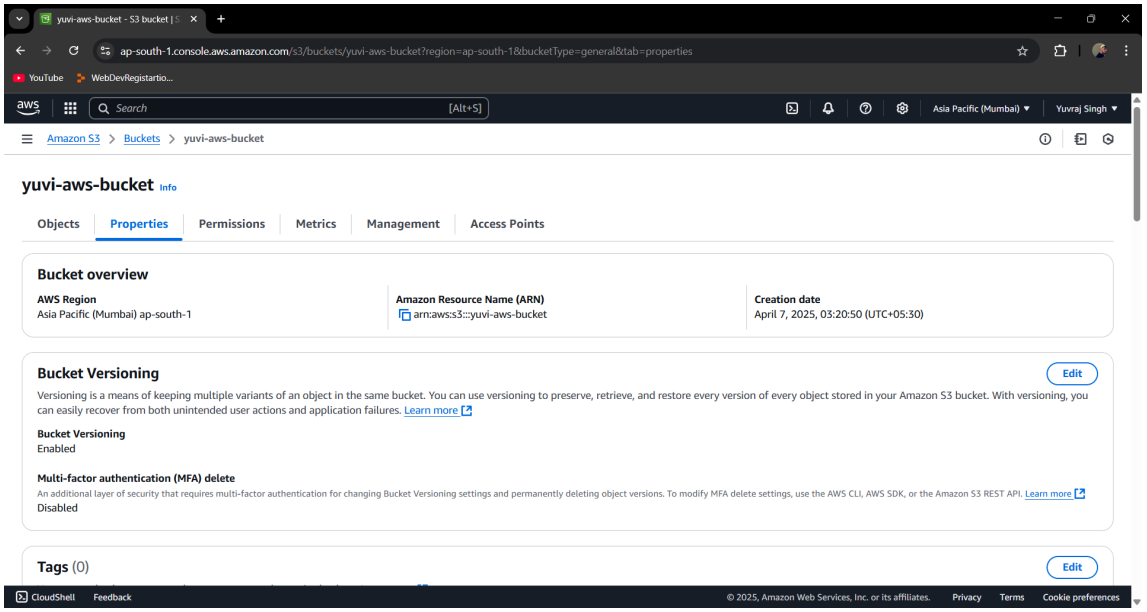


Step 11: Observe the changes made in the file contents

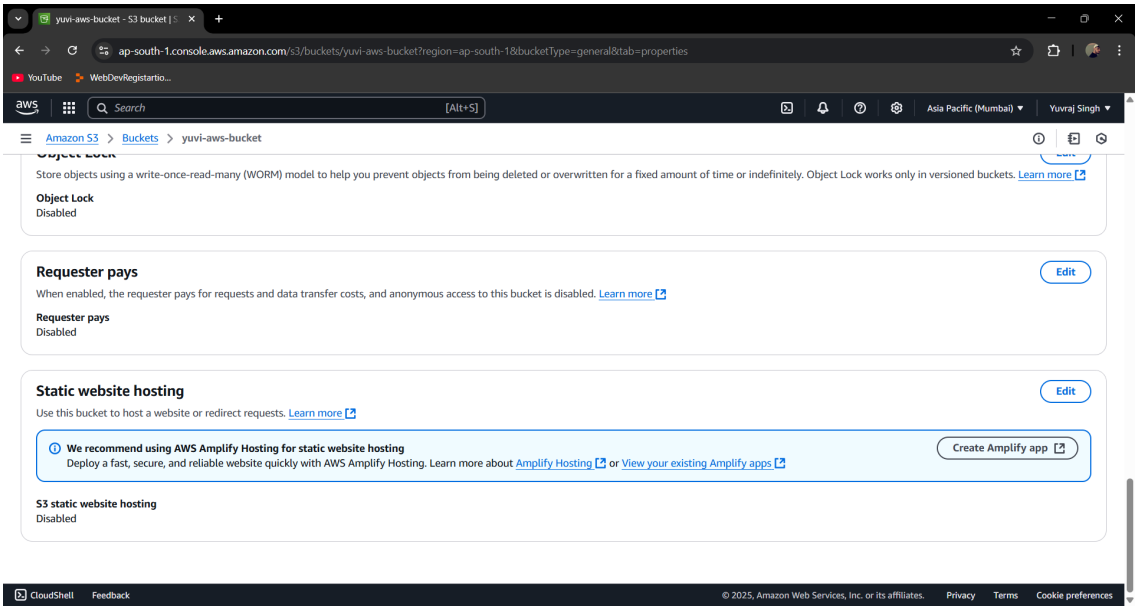


Steps for Static Website Hosting:

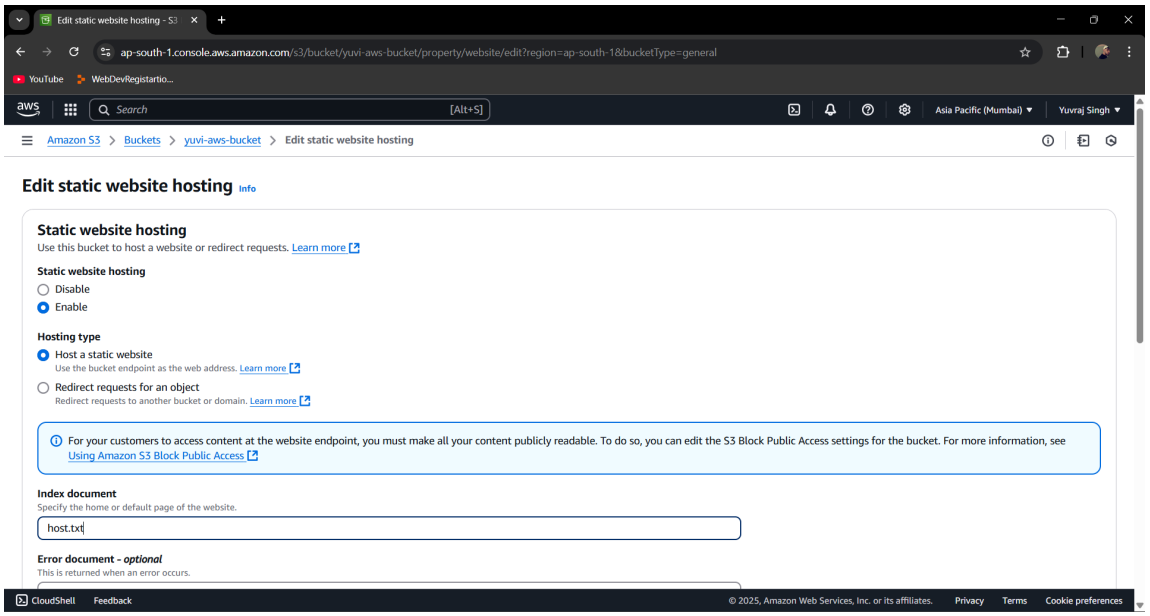
Step 1: Go to properties tab of your bucket



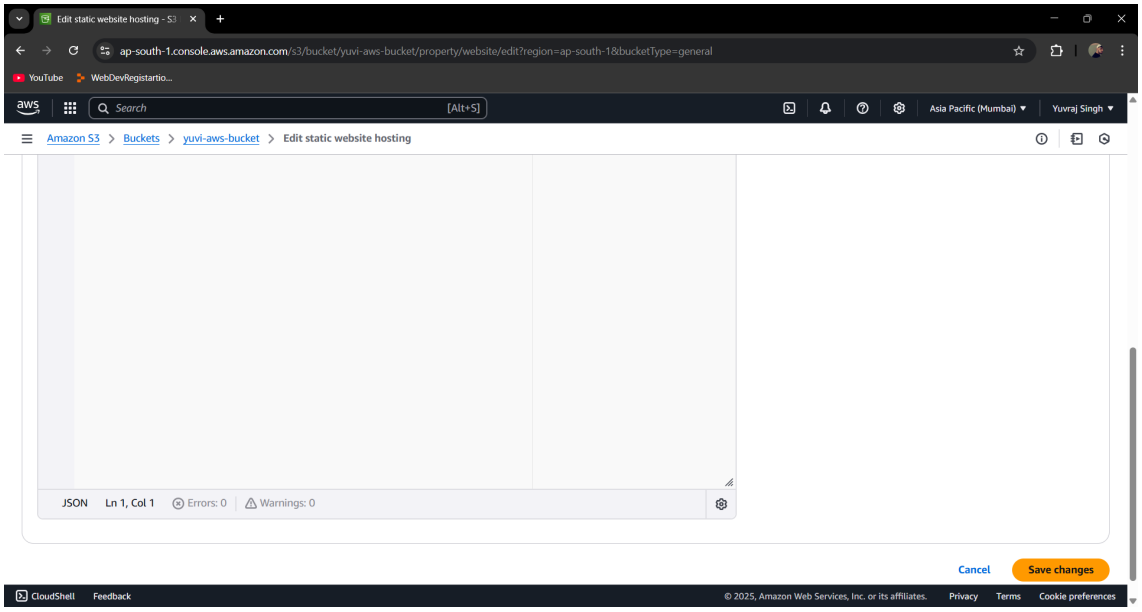
Step 2: In Static Website Hosting click on edit



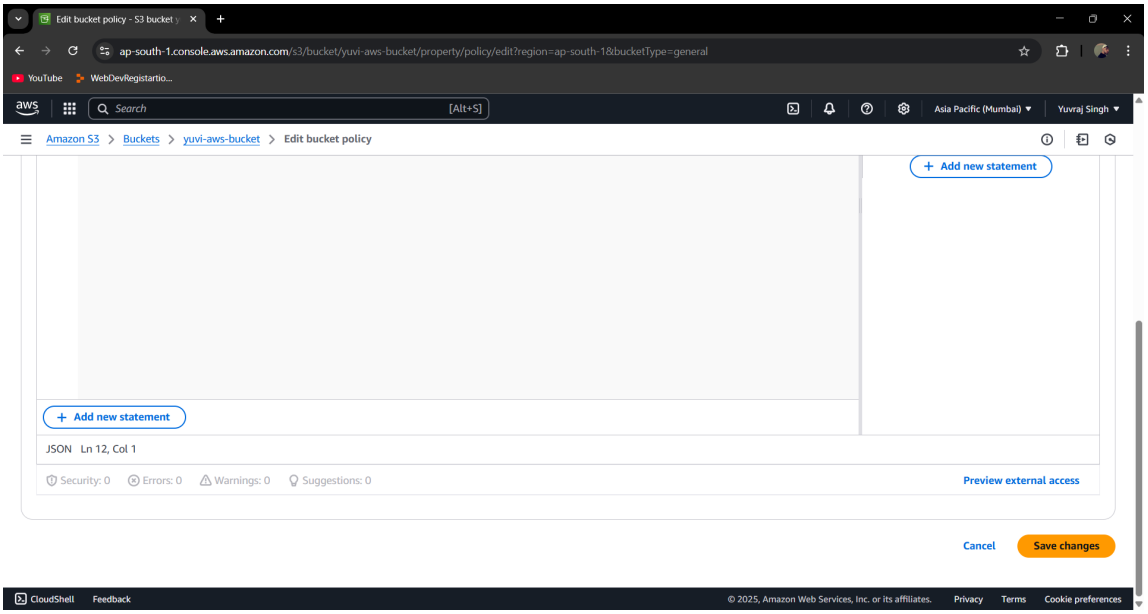
Step 3: Select Enable and give document name which you want to be used as your Index page in your static website



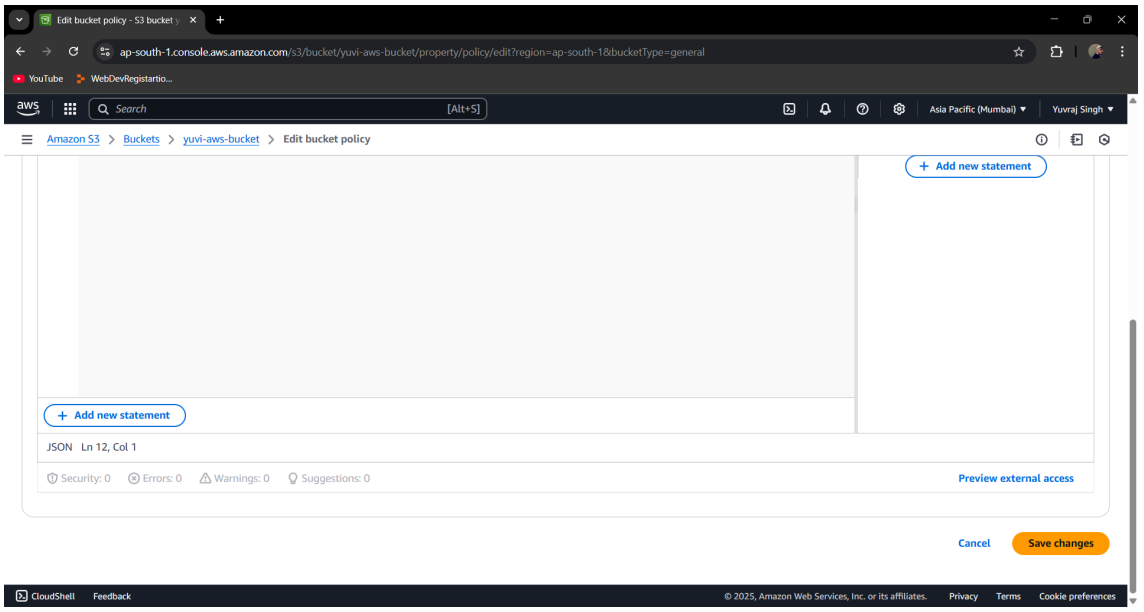
Step 4: Scroll down and click on Save changes



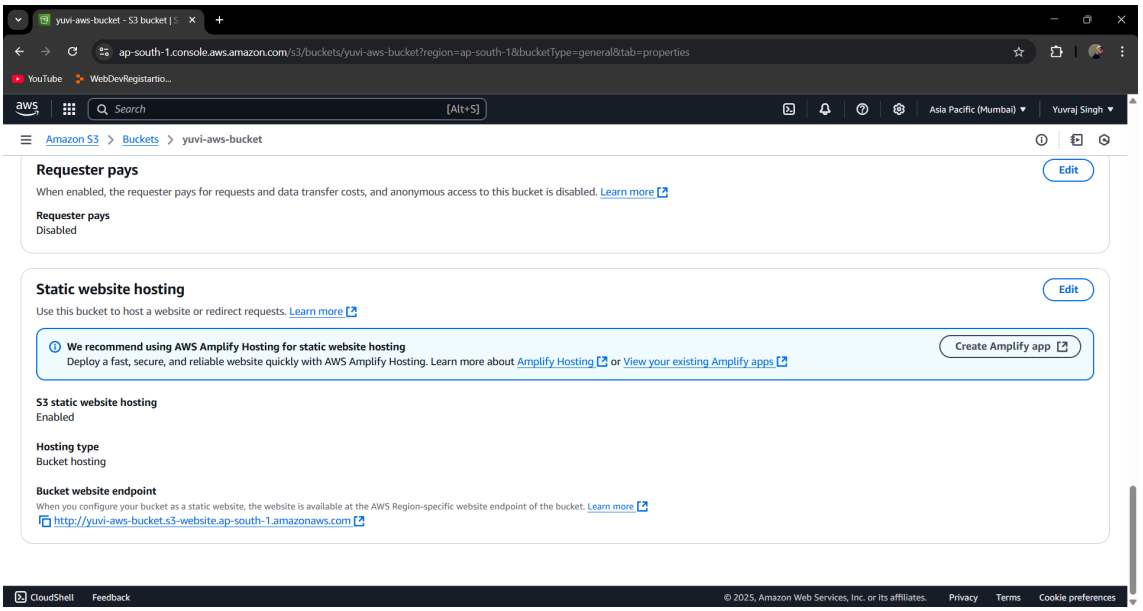
Step 5: Go to Permissions tab > Edit Bucket Policy



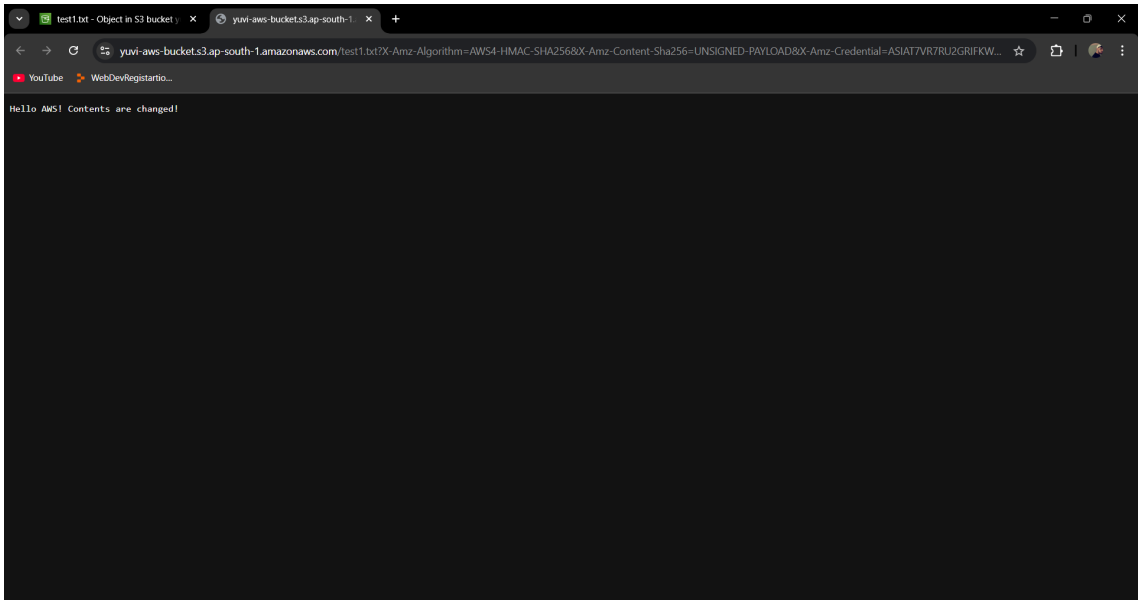
Step 6: Scroll down and click on Save Changes



Step 7: Upload the Index document (if yet to be uploaded) and got to Static Website hosting again and click on URL provided

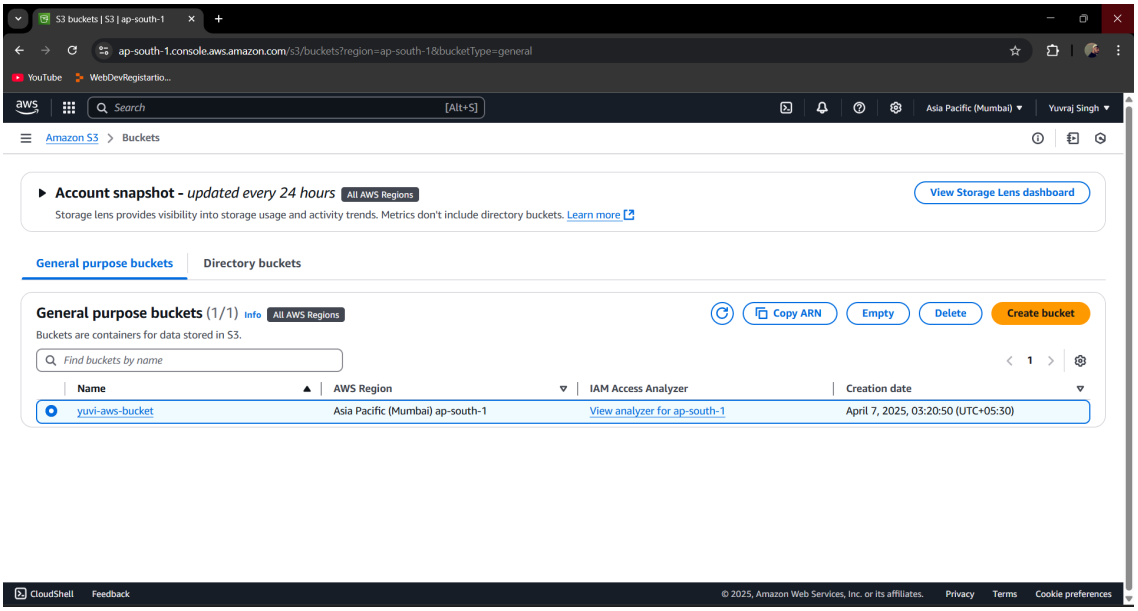


Step 8: Observe the Contents of your file hosted as a static webpage

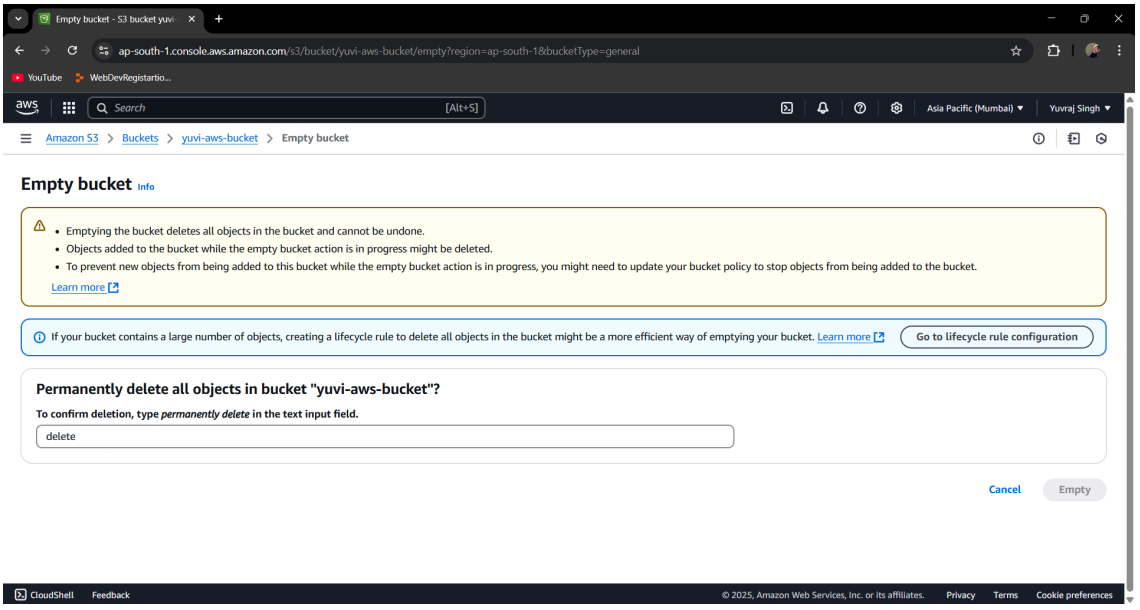


Steps for Deletion of Files and S3 bucket:

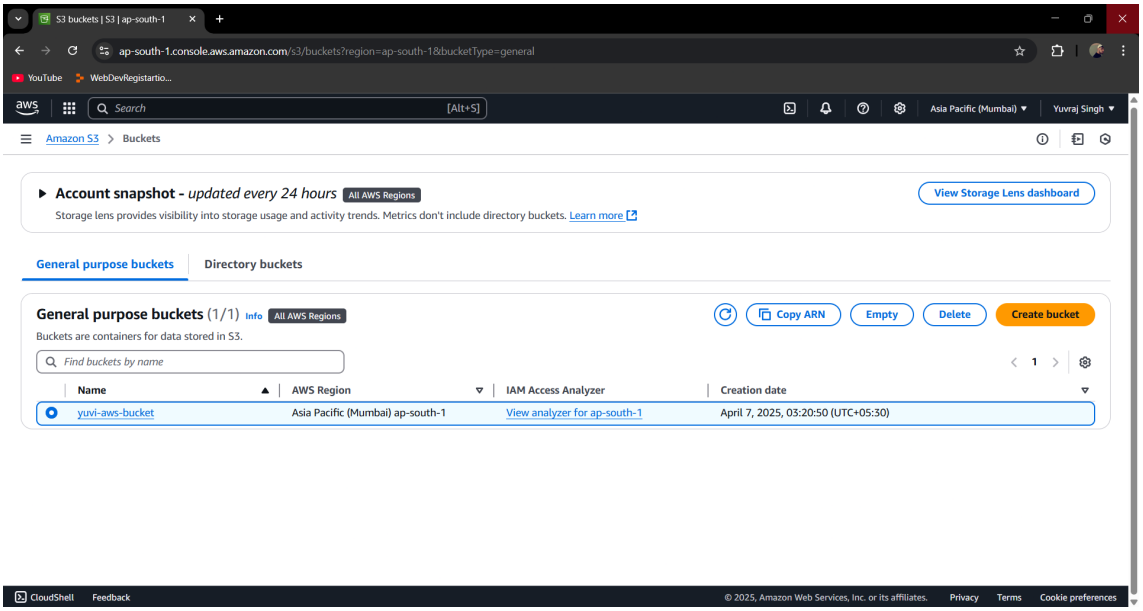
Step 1: Go back to bucket name tab, select the file and click on Delete option



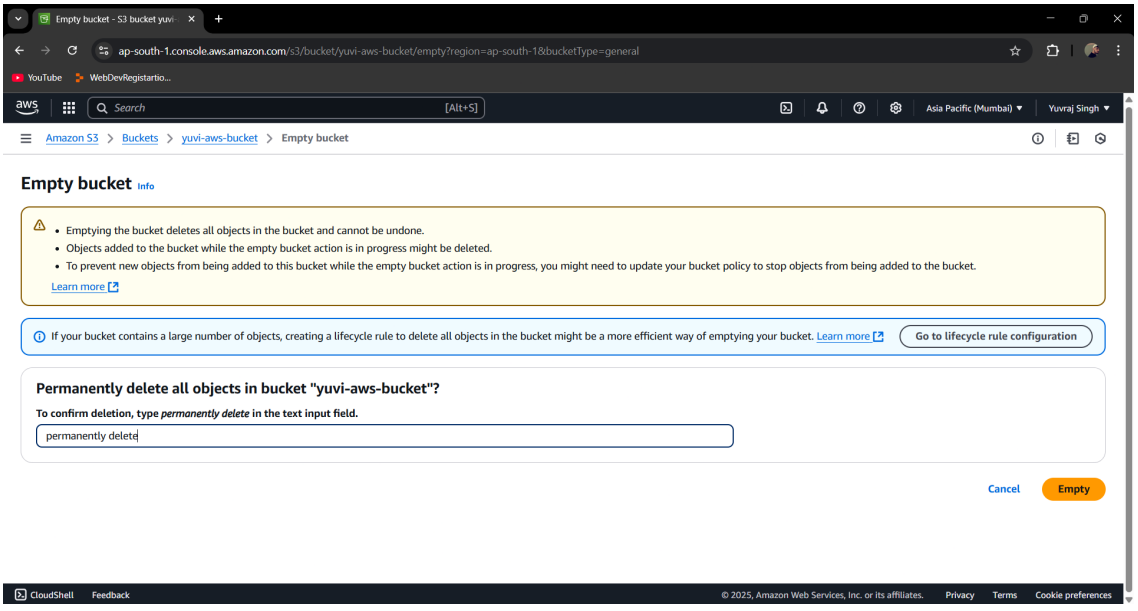
Step 2: Type delete and click on Delete objects option



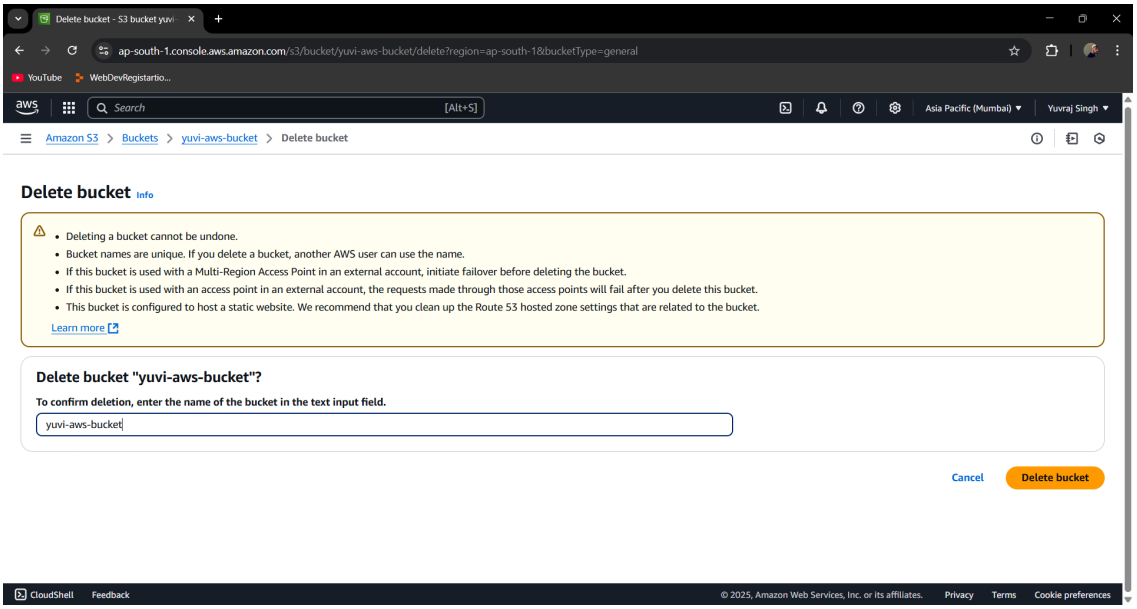
Step 3: Similarly go to General purpose buckets and select the bucket to be deleted and click on Delete option



Step 4: Confirm the permanent deletion of all objects inside the bucket



Step 5: Delete the bucket by typing its name



Step 6: Successful deletion notification is displayed indicating successful deletion of our bucket After this we can sign out from our AWS account