Creating S3 Bucket with adding object in it which will run a web page.

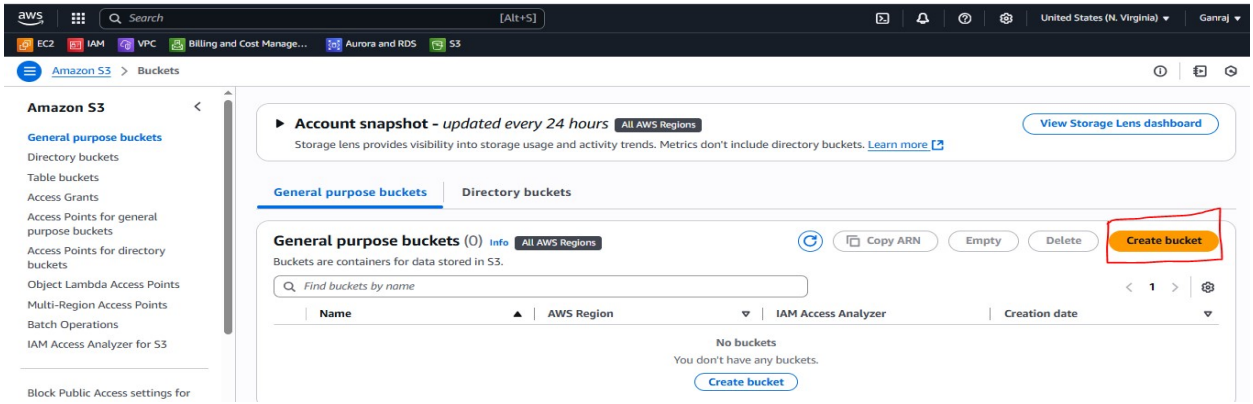
What Type of Data Can You Store in S3?

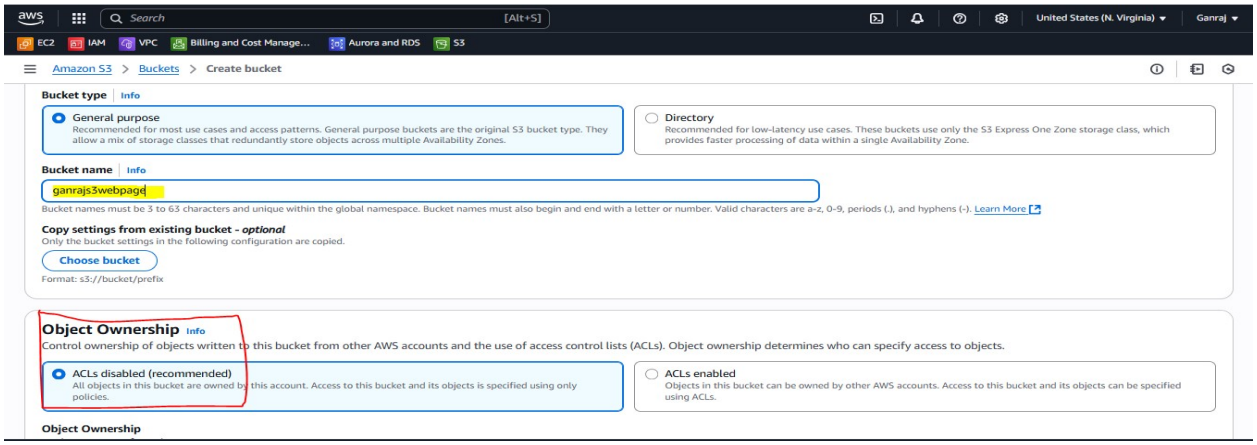
ANY KIND OF DIGITAL FILE.

- **Documents**: PDF, Word files, spreadsheets
- **Images**: JPG, PNG, GIF
- **Videos**: MP4, MOV
- **Audio**: MP3, WAV
- **Backups**: Database dumps, zip archives
- **Logs**: Text files from apps
- **Software packages**: .zip, .tar.gz
- **Static website files**: HTML, CSS, JS

- **General bucket:** No slashes in the object keys.
- **Directory-style bucket:** Uses slashes to organize keys visually.

Here we are using General bucket





Always remember Bucket name should be unique not been used before.

Lets learn about ACL

ACL = Access Control List

Think of an ACL as a basic permission list you attach to:

- Buckets
- Objects (files)

It controls who can access them and what they can do
Grant or restrict access to your bucket or files **at a very basic level.**

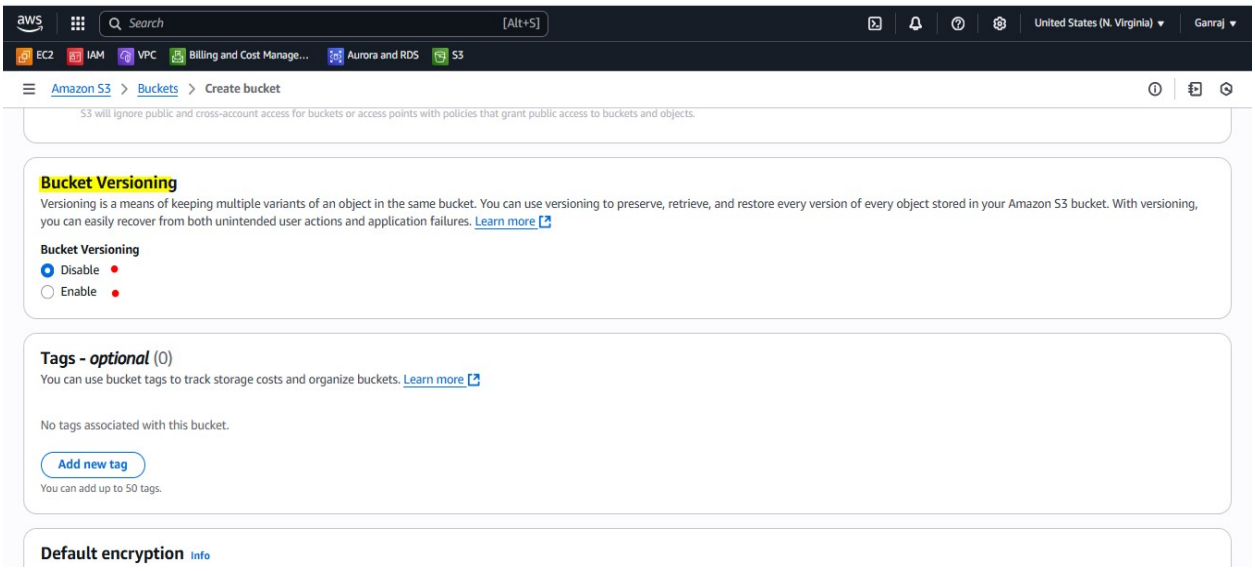
What permissions can you set?

With ACLs, you can give permissions like:

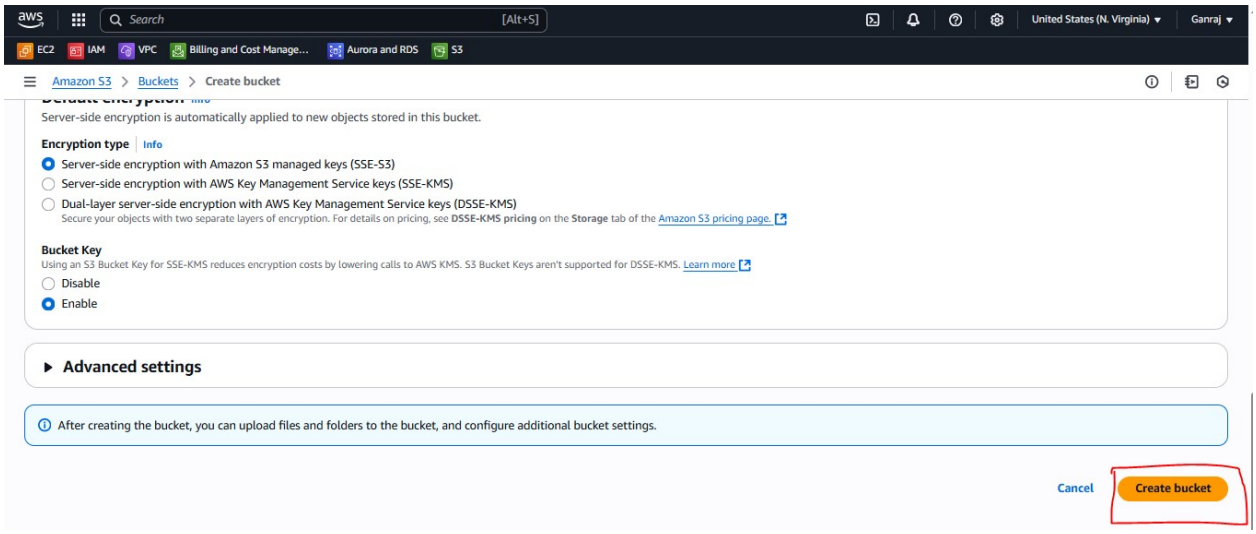
- Read (download/list)
- Write (upload/delete)
- Read ACP (read ACL)
- Write ACP (write ACL)
- Full Control

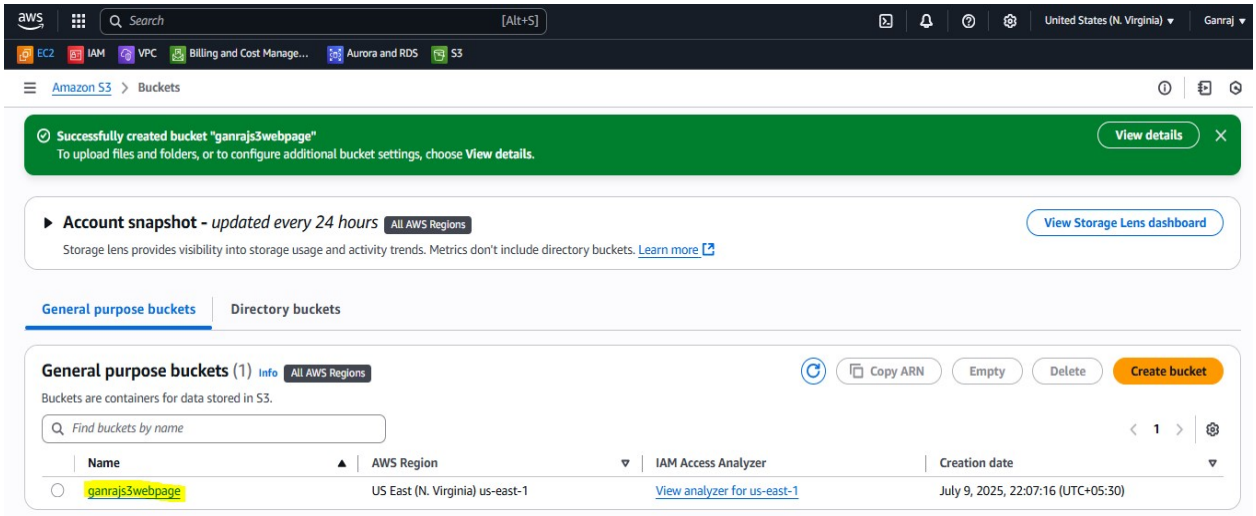
You assign these to:

- The owner account
- Other AWS accounts
- Everyone (public access) (⚠ Be careful—makes your files public)

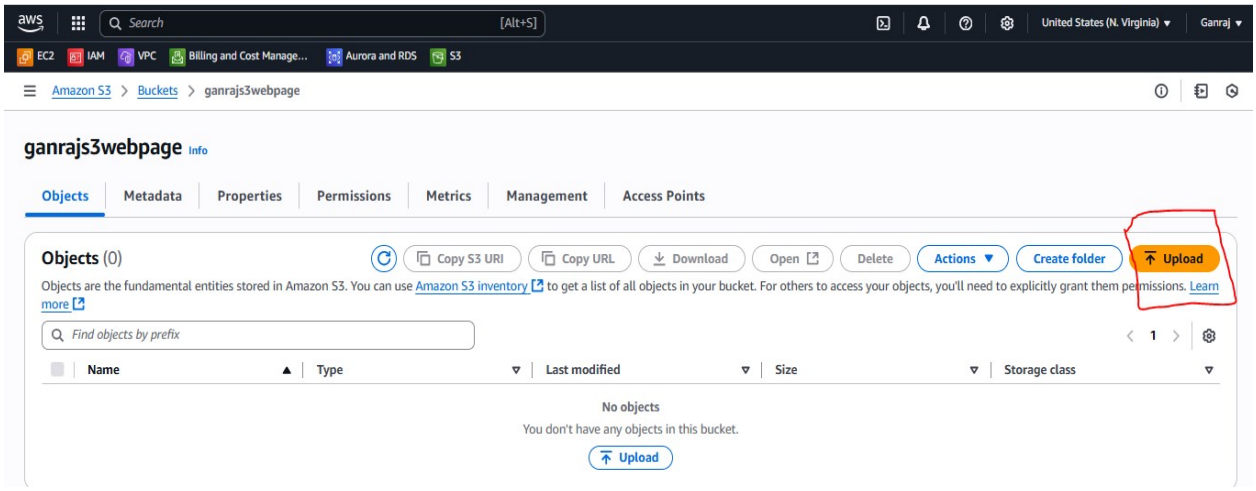


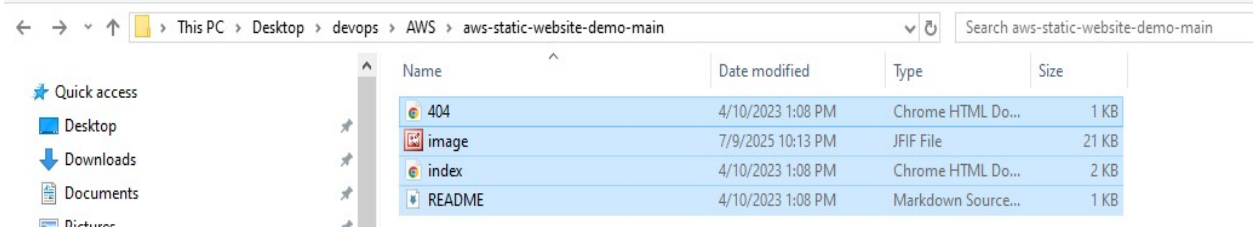
For Versioning : - It depends that if we want maintain version(V1,V2 like GitHub) of our data. it best practice is for data corruption (failure) after updating new data but it will save different versions of same data

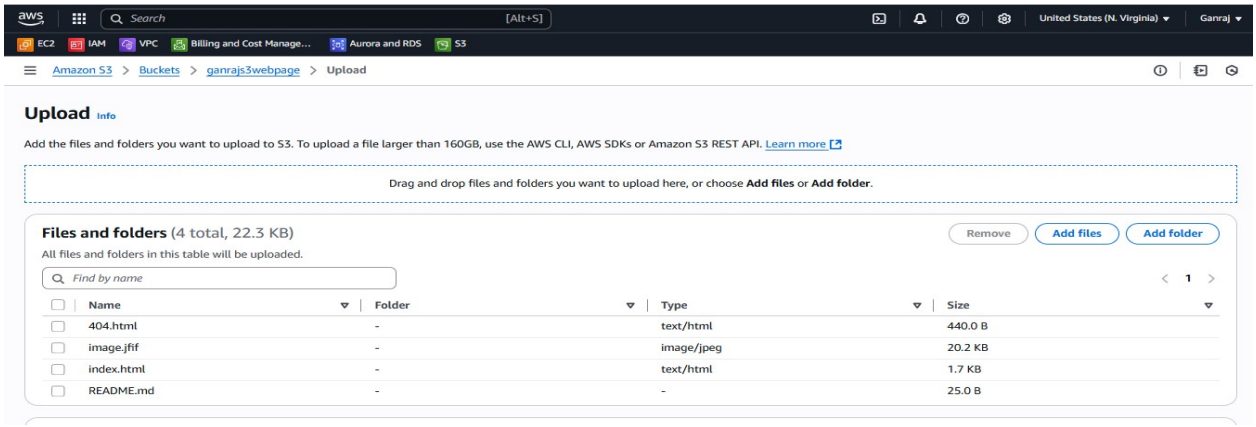




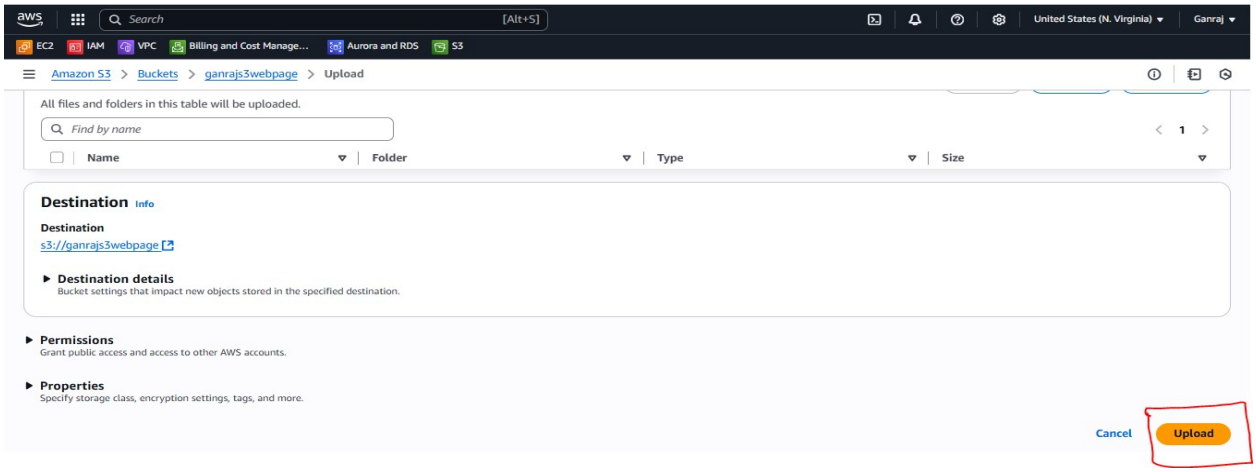
Click on your bucket ganrajs3webpage and upload you website data or you can simply drag and drop your data from system.

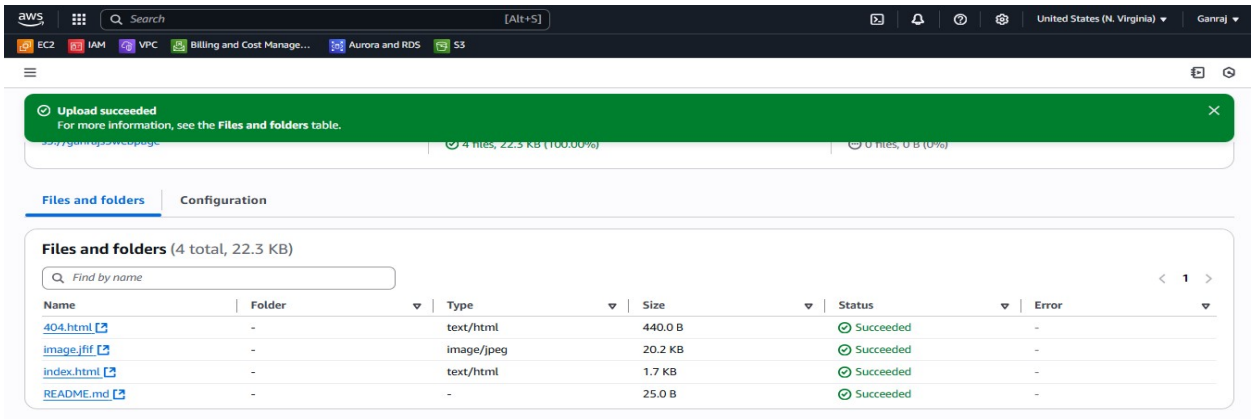




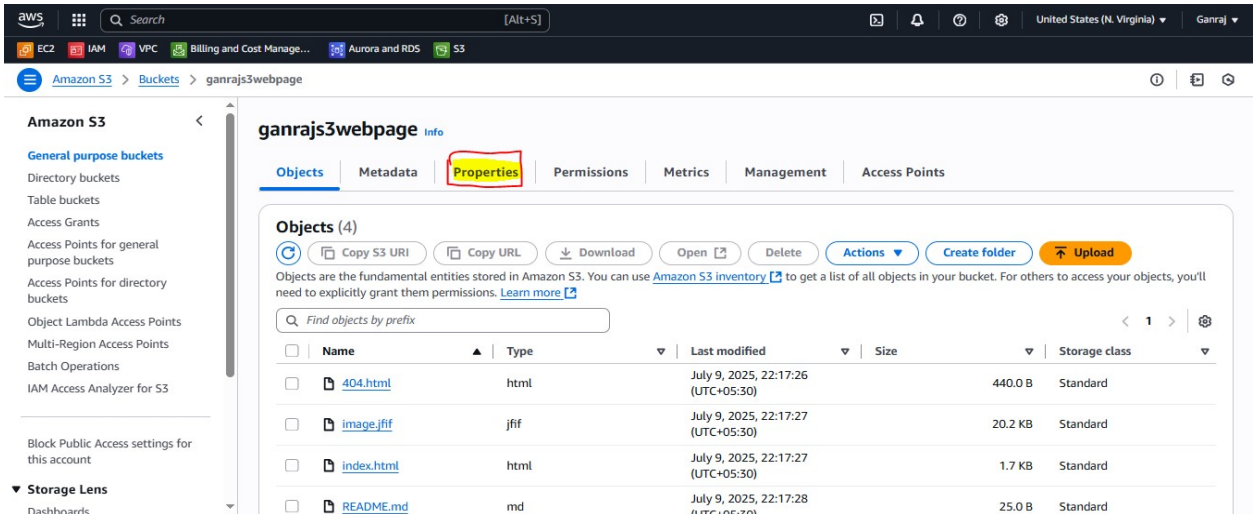


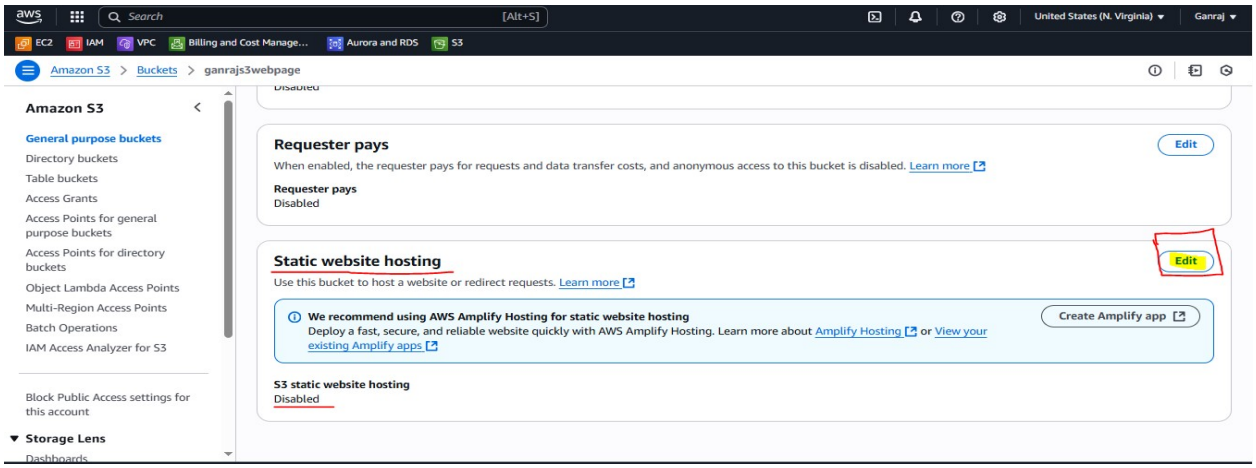
Click on upload



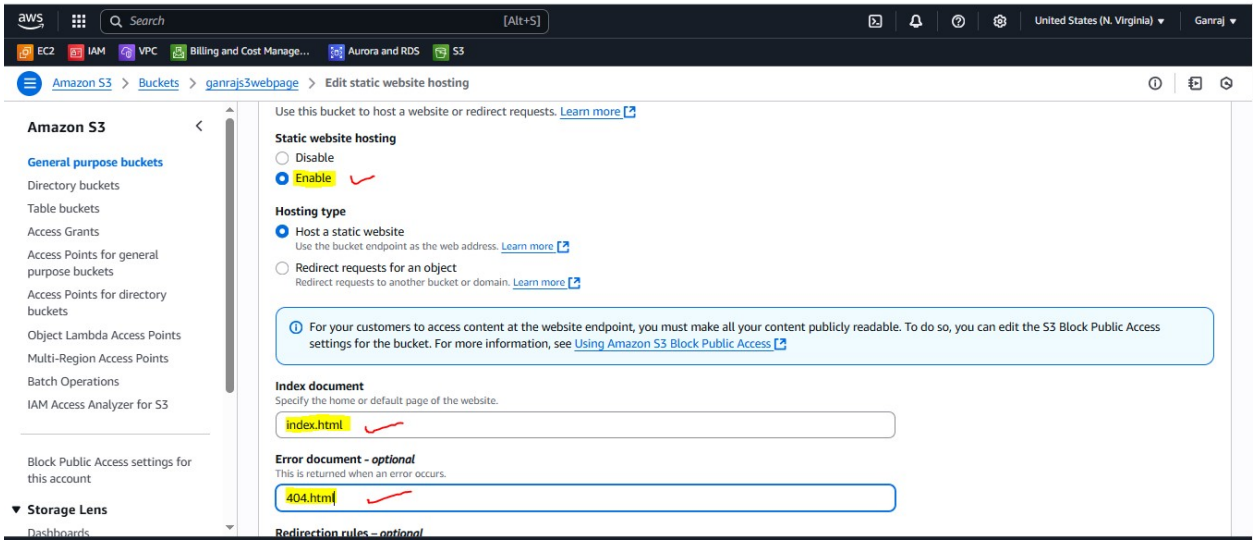


Now we need allow some properties of bucket for our static site (webpage) like hosting main page Like enabling static hosting





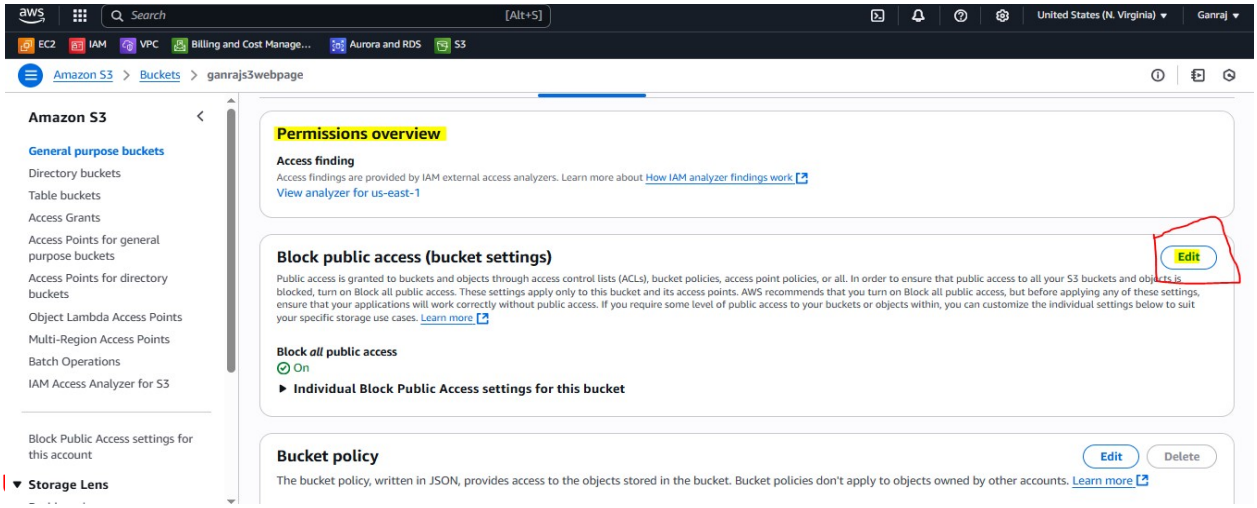
Here you can see we have enabled the hosting also we need to mention our main index page and if any error occurs what need to see the End User also need to add in error document

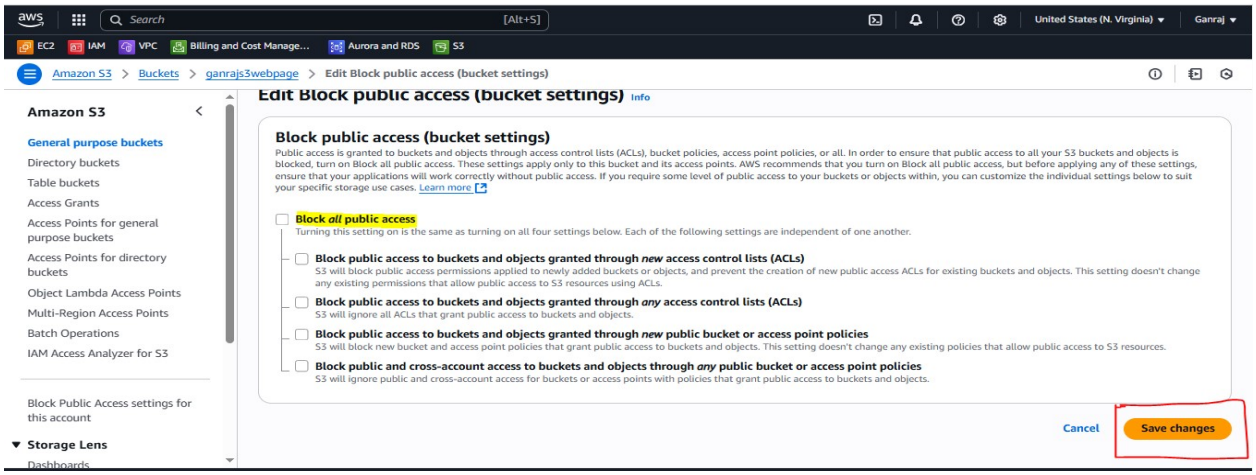


Click on save changes then.

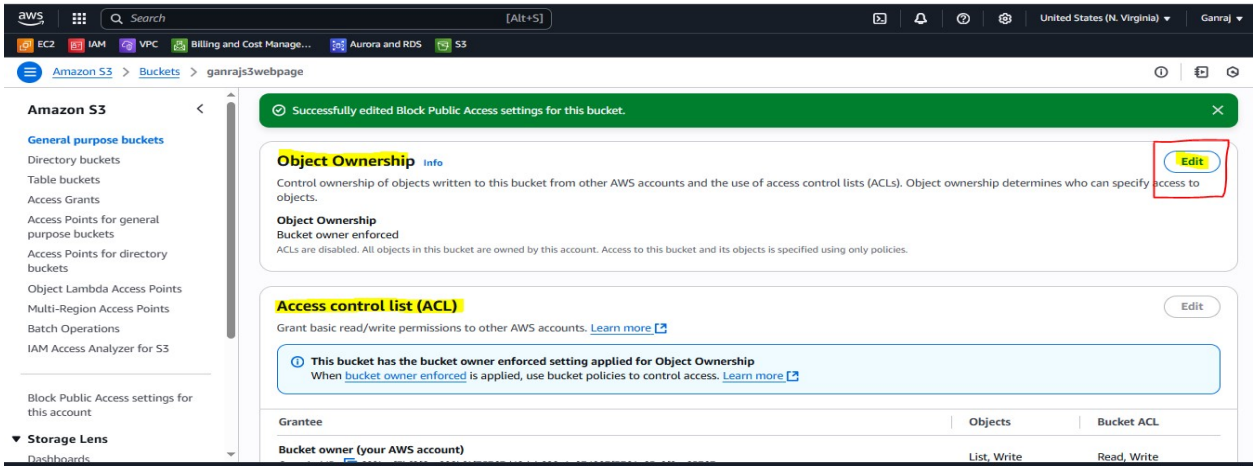
Go to Permissions : -

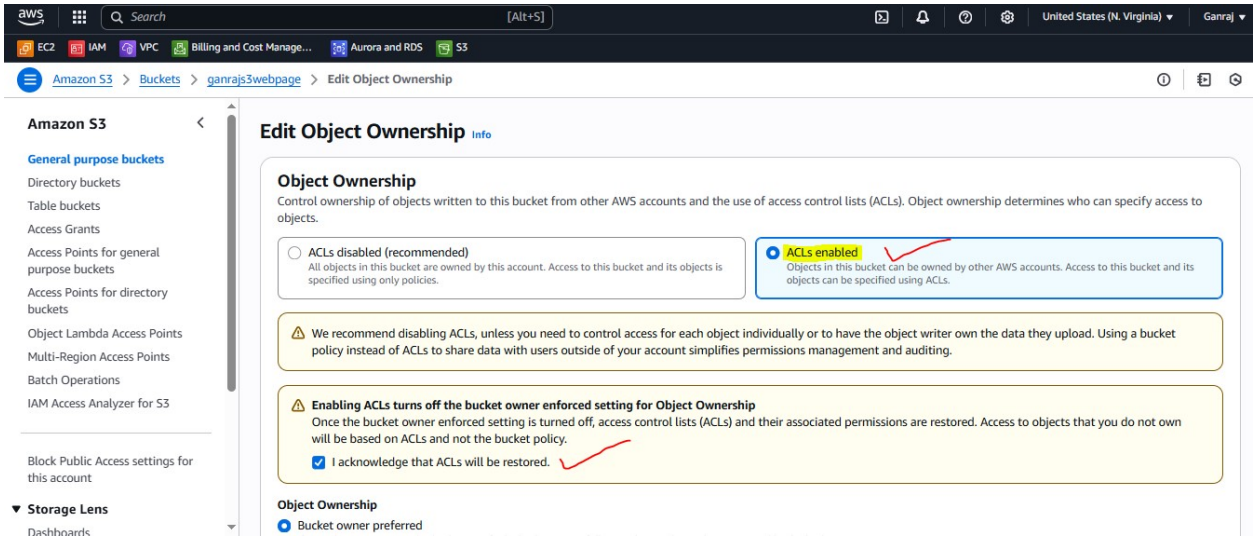
Need to change permissions to see every one our site publicly accessible.

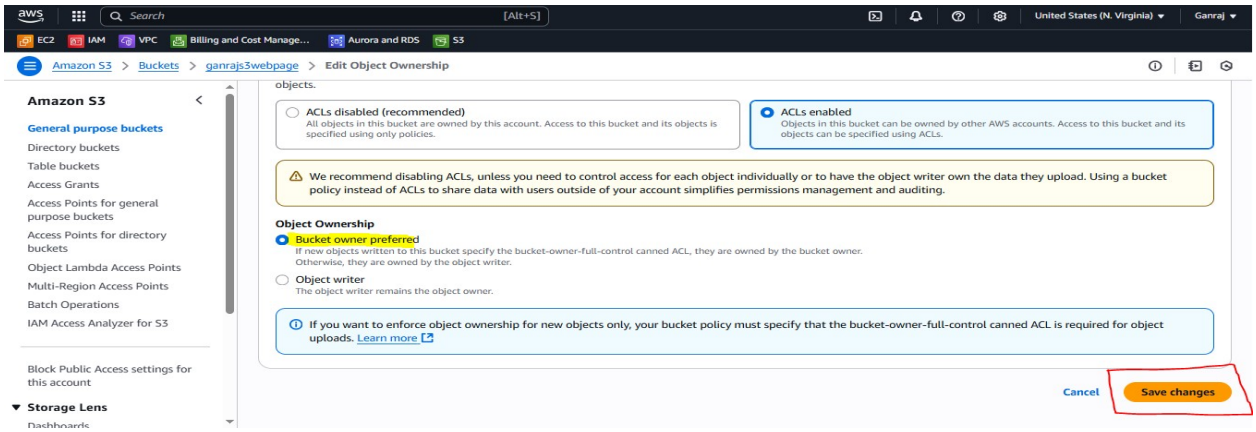




Also need to allow ACL for our website

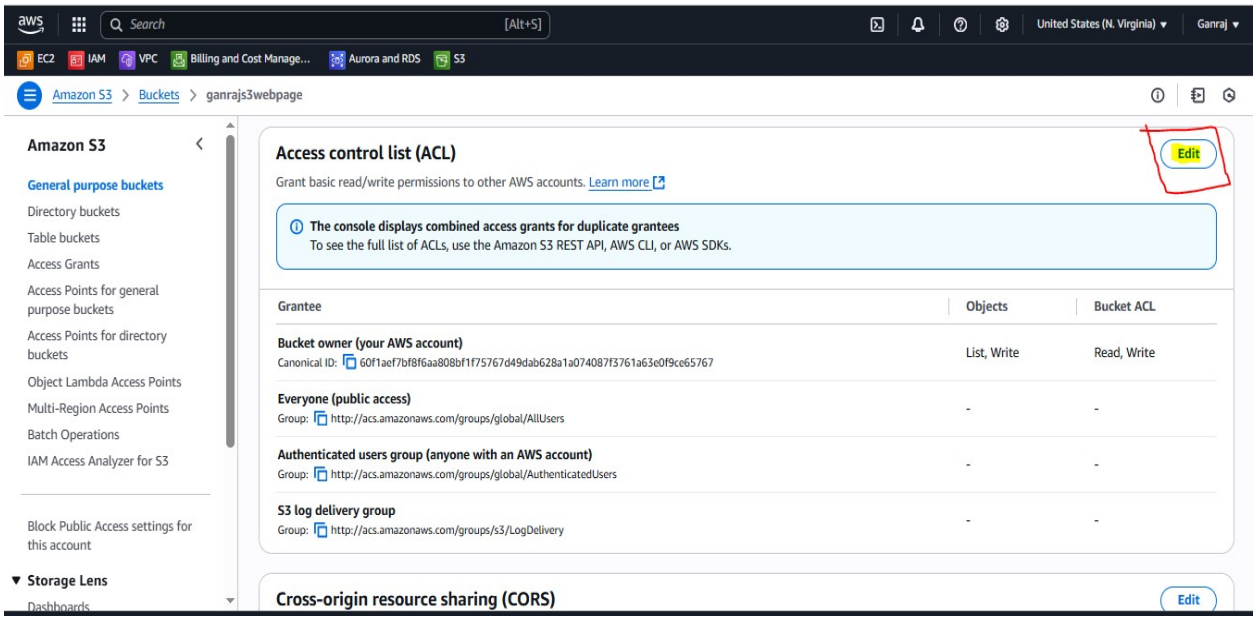


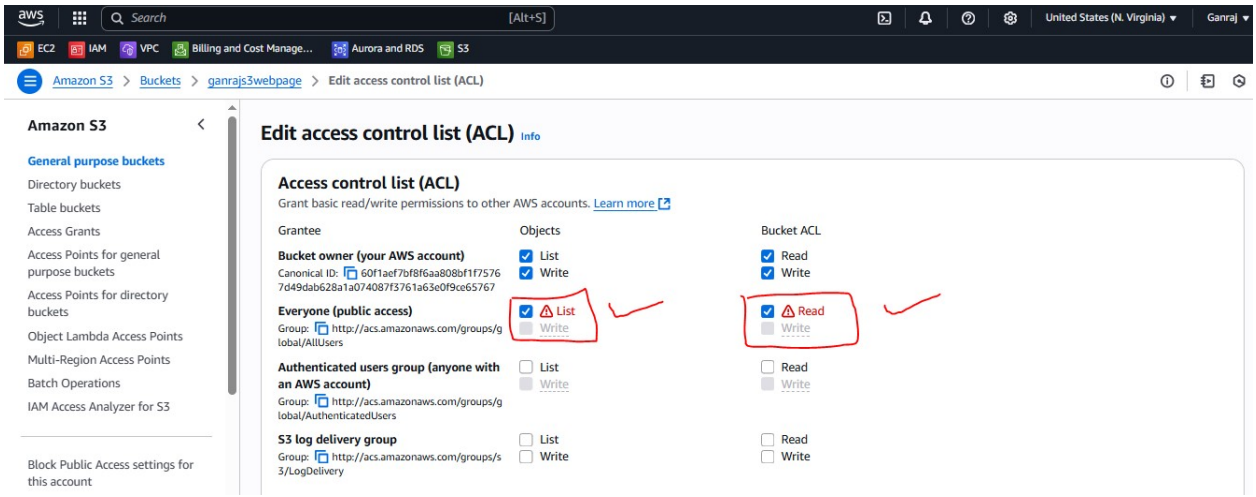


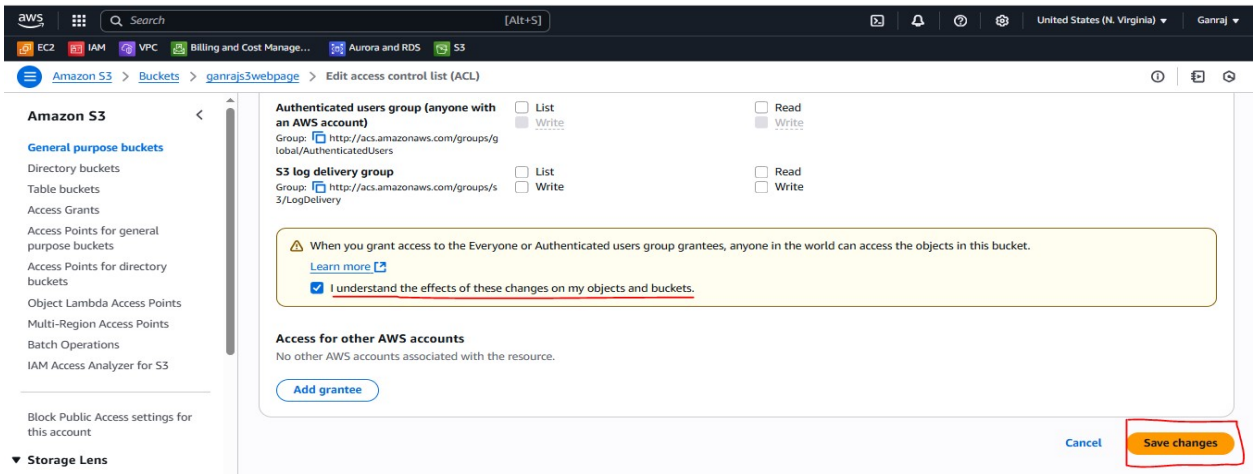


Just click on save changes then.

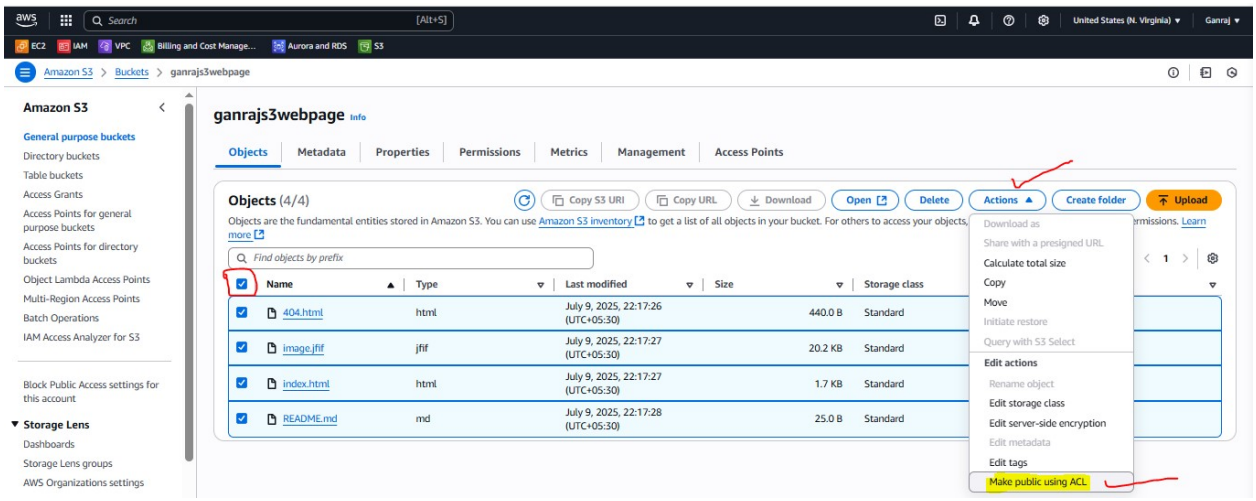
now edit some ACL permissions



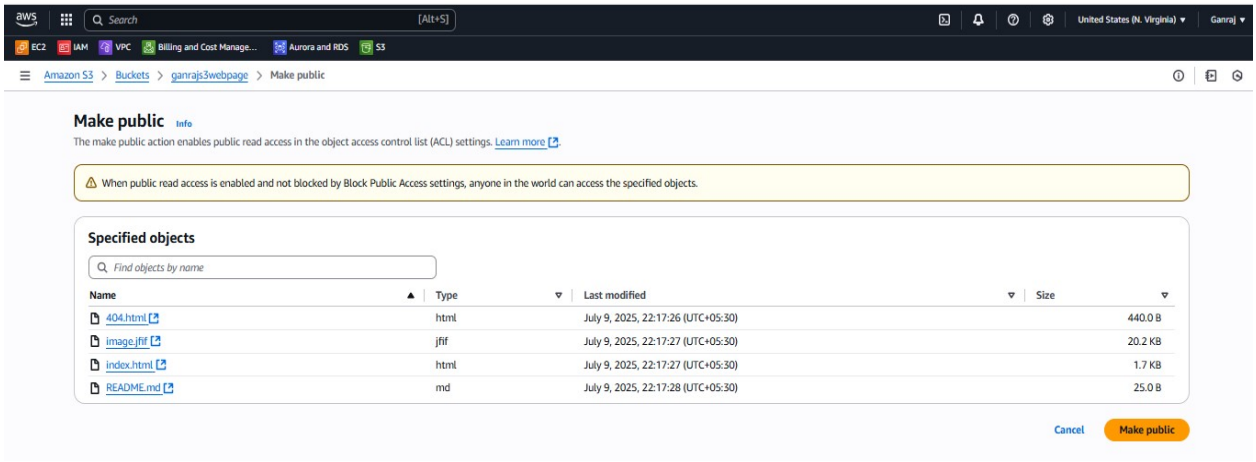




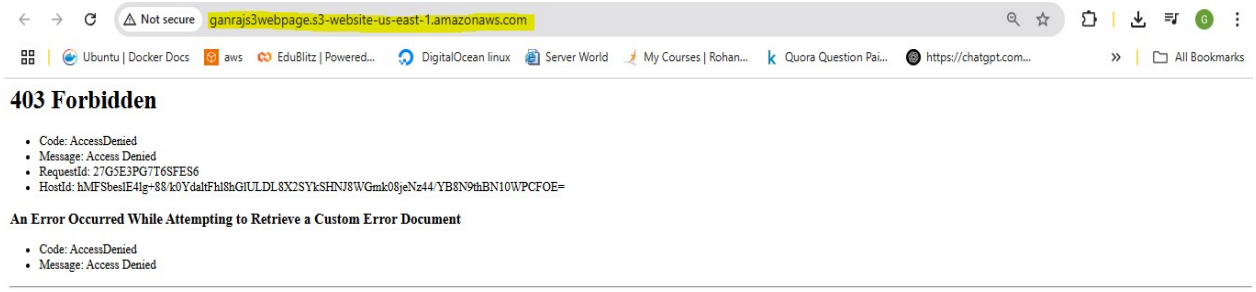
Then go to objects and select all uploaded objects and click on action use option make public using ACL

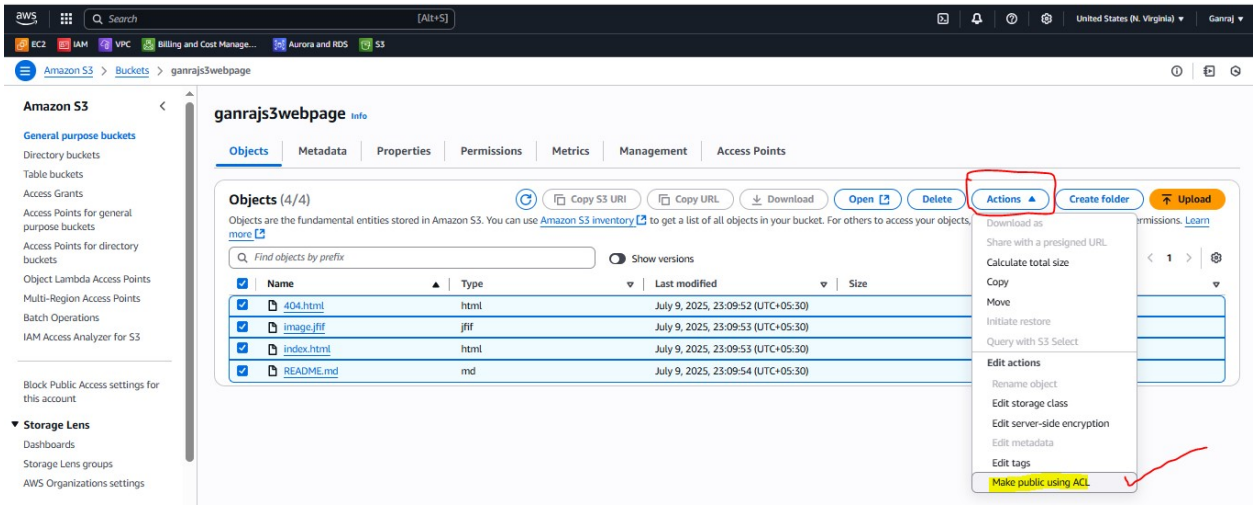


And click on make public.

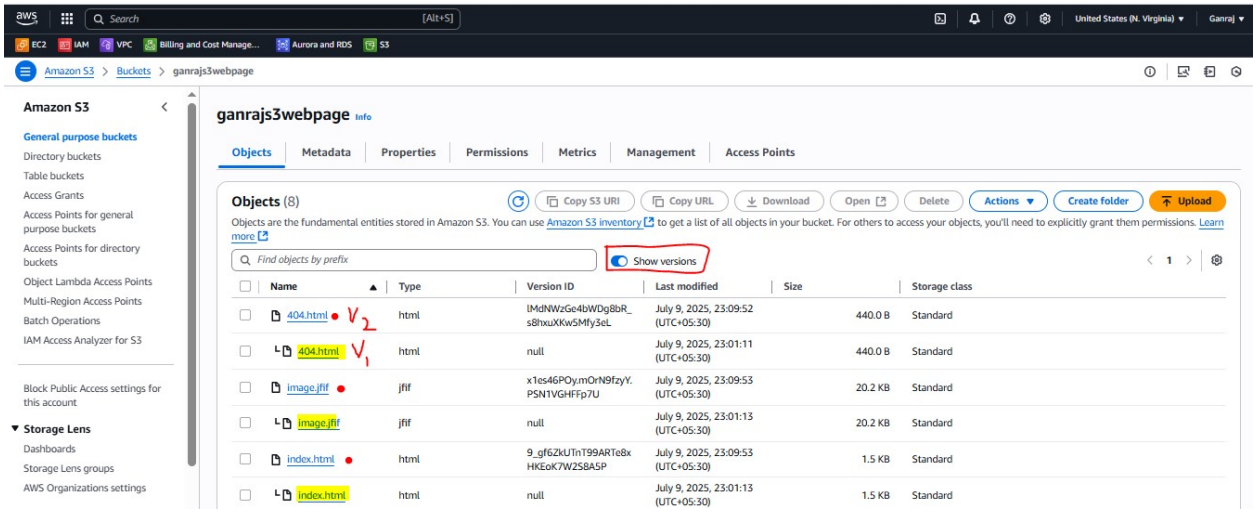


See a scenario-- if I made some changes in my objects (data) and I have reuploded files in that bucket always remember we need to make them public using ACL then and then only we can see updated wepage or it will show error.

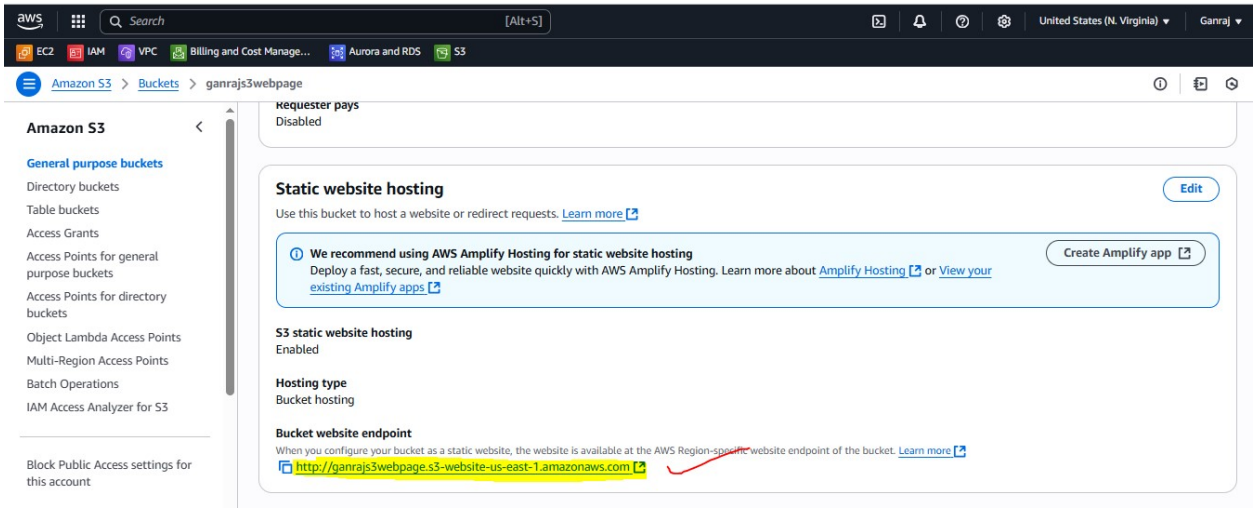




And showing in snap that if you enabled versioning of bucket then if you reupload the same name files (data) it will show you two versions of it (V2,V2)



Go to properties tab and scroll it down you see our bucket DNS for our website .



When you hit it to you browser you see our webpage.