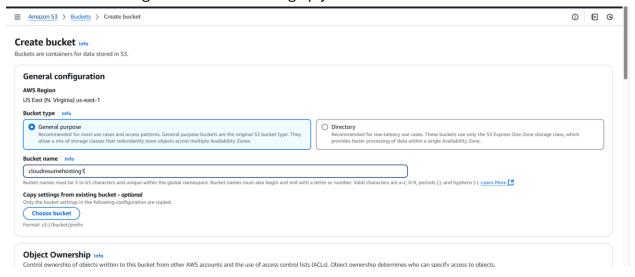
# Hosting a Resume Website on S3 and Linking with CloudFront

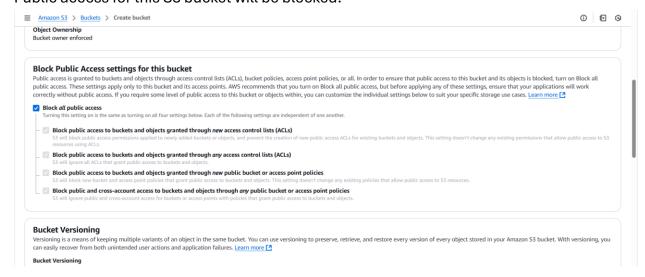
I have developed a portfolio website featuring a cloud resume and an option to download the resume in PDF format. I will now proceed to host the website on AWS by creating an S3 bucket with no public access and linking it with CloudFront to facilitate public access to the site.

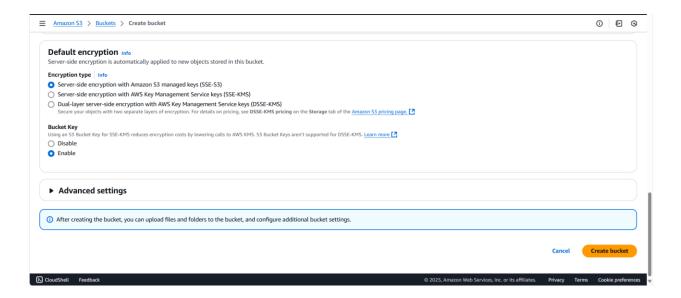
#### S3 Bucket Creation

⇒ I have created an S3 bucket as demonstrated in the images below. Please refer to the screenshots for guidance while setting up your own S3 bucket.

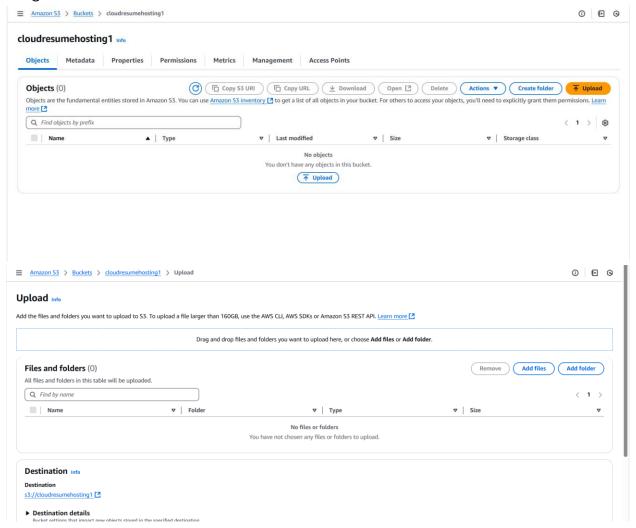


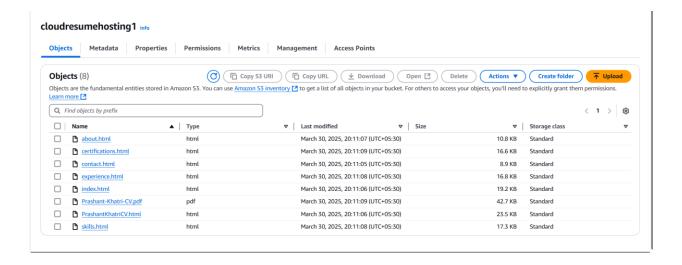
⇒ Public access for this S3 bucket will be blocked.





⇒ After creating the S3 bucket, I have uploaded the content for my website as per the images shown below:

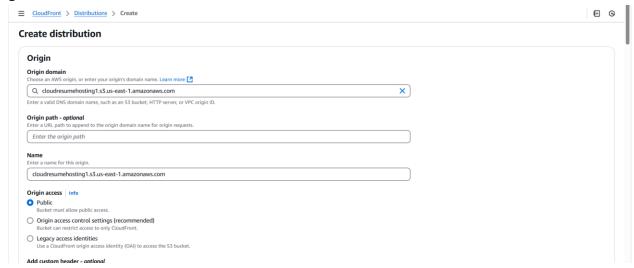




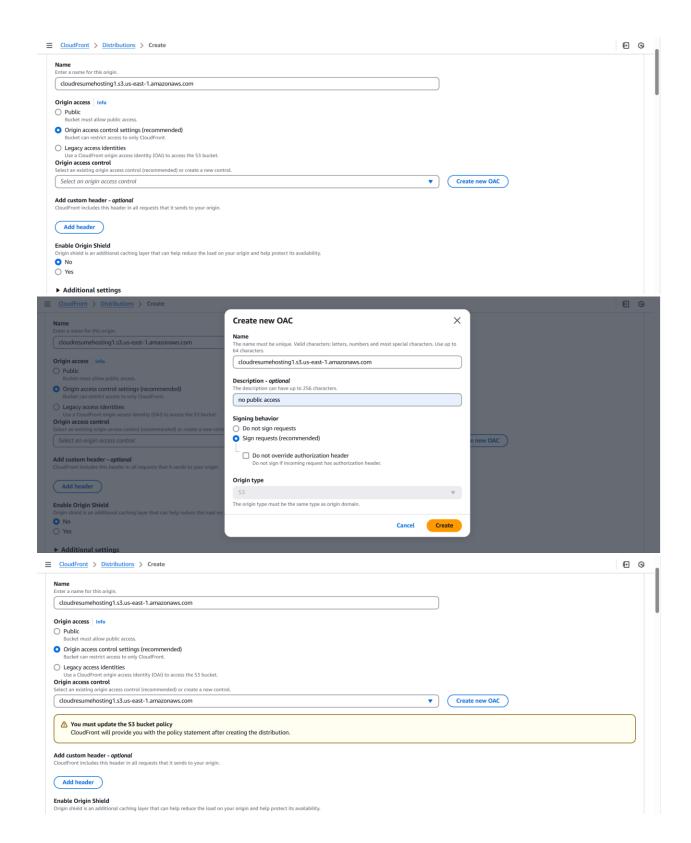
⇒ We have uploaded the required files in our S3 bucket and now this S3 bucket will act as Origin Domain for our Cloud Front Distribution.

## **Establishing a CloudFront Distribution**

□ I have established a CloudFront Distribution. Please refer to the images below for guidance.



I have created a new Origin Access Control and blocked it publicly, as shown below.



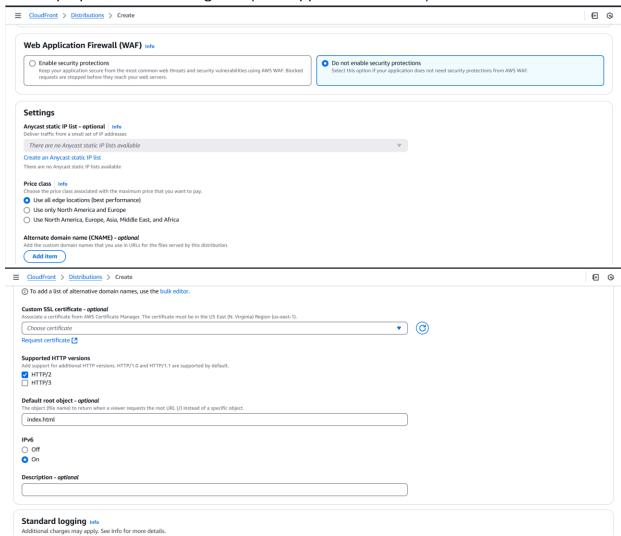
#### Set Default Cache Behavior:

Viewer protocol policy → Choose Redirect HTTP to HTTPS.

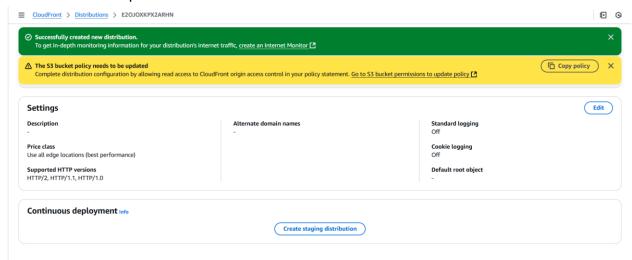
# Allowed HTTP methods → Select GET, HEAD (static sites don't need POST).



## For the purpose I am disabling WAF (Web Application Firewall)



### Leave rest other options as default and click on "Create"

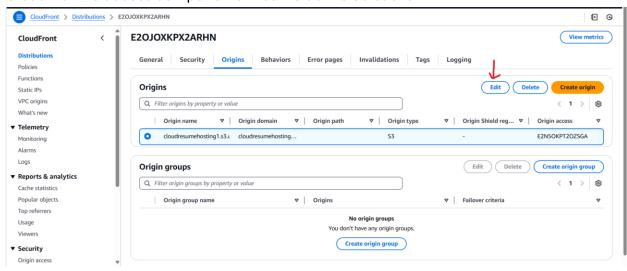


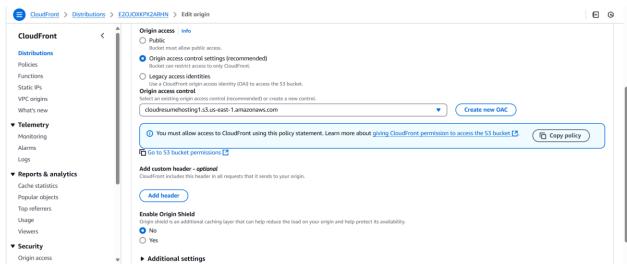
Till the time it is being deployed let's configure the Bucket permission policy so that CloudFront can access files from this private bucket.

## **Configuring CloudFront for Public Access**

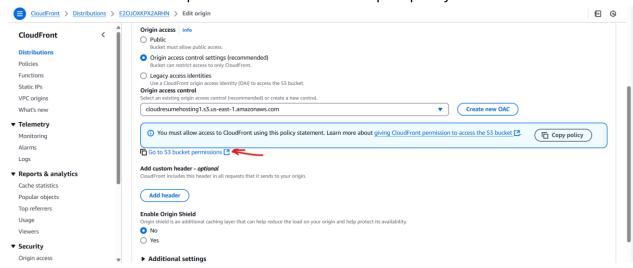
I am going to allow CloudFront to access components inside the S3 bucket while keeping the bucket private.

⇒ Launch Origins from the CloudFront Distribution as shown below in the images and then copy the policy under Origin Access Control to allow CloudFront to access components/files inside the S3 bucket.

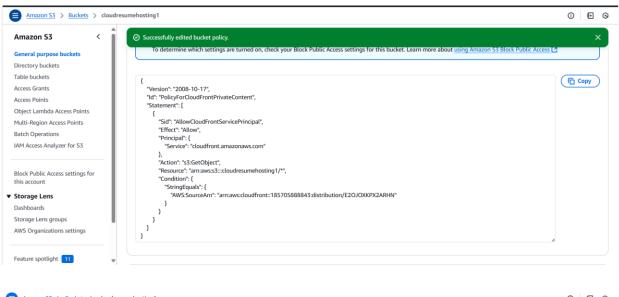


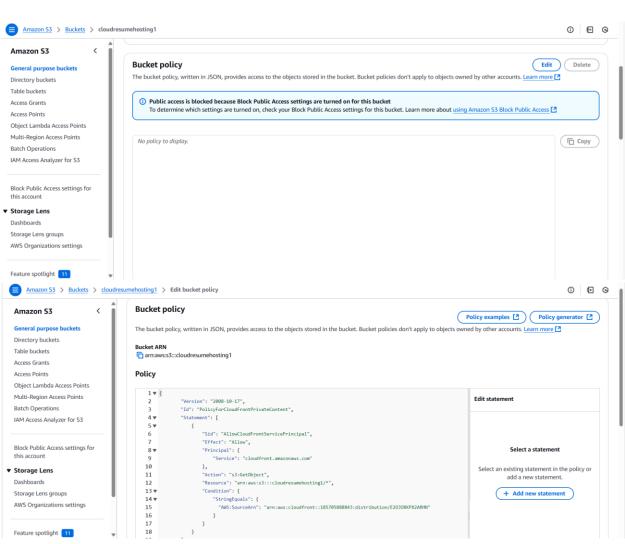


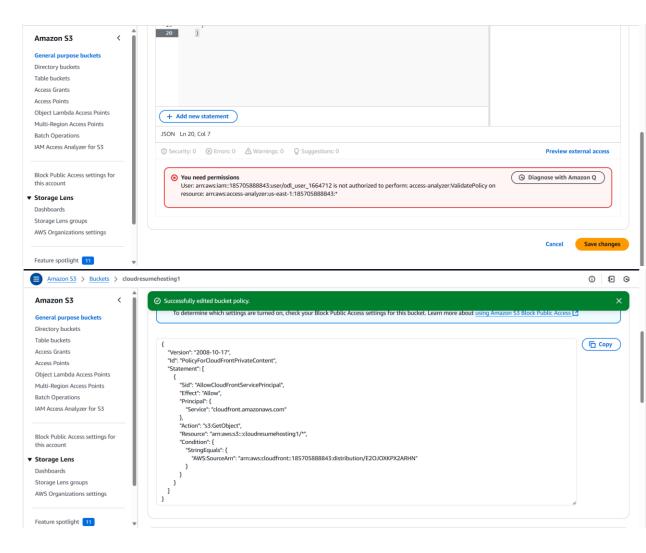
⇒ Click on "Go to S3 bucket permission and then use copied policy.



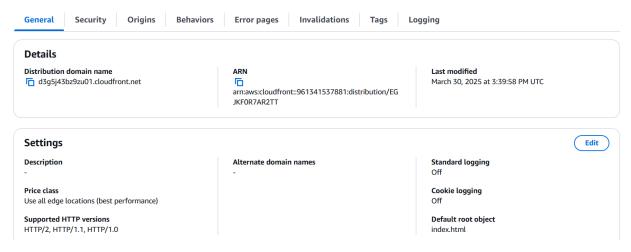
➡ Click on Edit as shown below in the images and then paste the copied policy.
Once pasted the Json code then click on Save Changes.

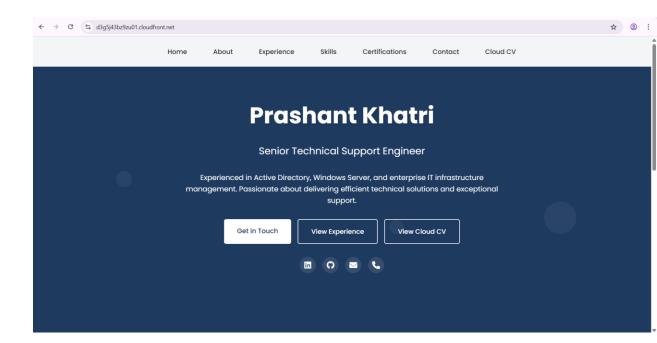






Now post deployment of the CloudFront distribution copy the distribution name as shown below and access it in a browser





Successfully create a CloudFront distribution through which the public users can access my portfolio and website while keeping the S3 bucket access private.

Note: This is all created using AWS Free tier account.