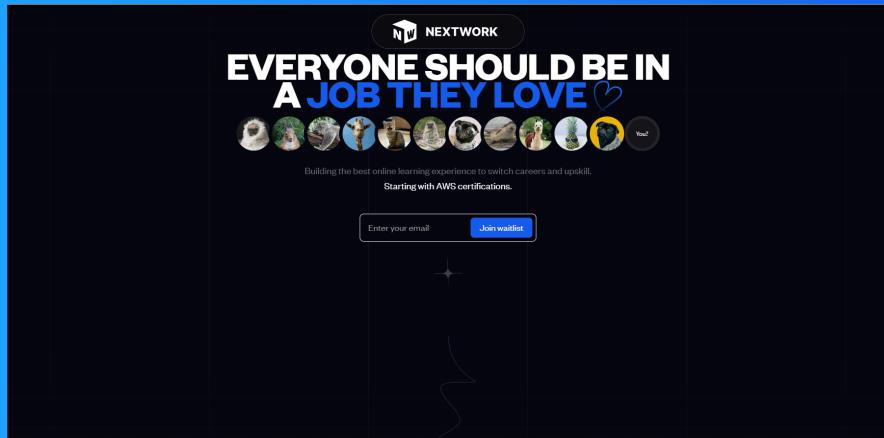




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Host a Website on Amazon S3

 Shravya





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Shravya
NextWork Student

NextWork.org

Introducing Today's Project!

What is Amazon S3

Amazon S3 is Simple Storage service that enables for object storage of data. It is useful for data management, scalability, versioning, security of data, redundancy in data etc..

How I used Amazon S3 in this project

I used amazon s3 to host a dynamic website containing code of html, js, css etc.

One thing I didn't expect in this project was...

the 403 forbidden error. I had thought that once we make the website static the data can be accessed from a public url

This project took me...

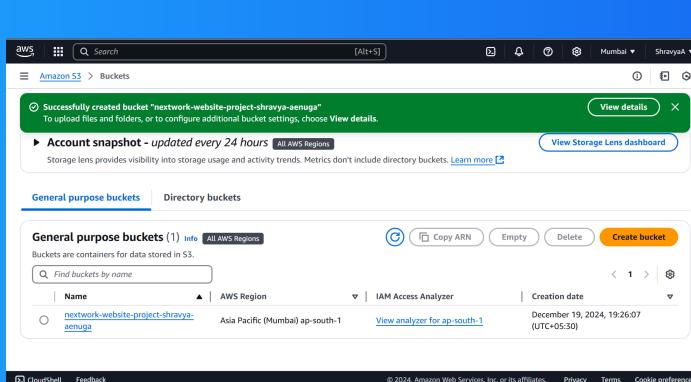
I spent 45 to 50 minutes time for this project

How I Set Up an S3 Bucket

Creating an S3 bucket took me 10 minutes.

The Region I picked for my S3 bucket was Mumbai because it was the closest to me geographically

S3 bucket names are globally unique! This means no other AWS accounts can have this same bucket name unless i delete it

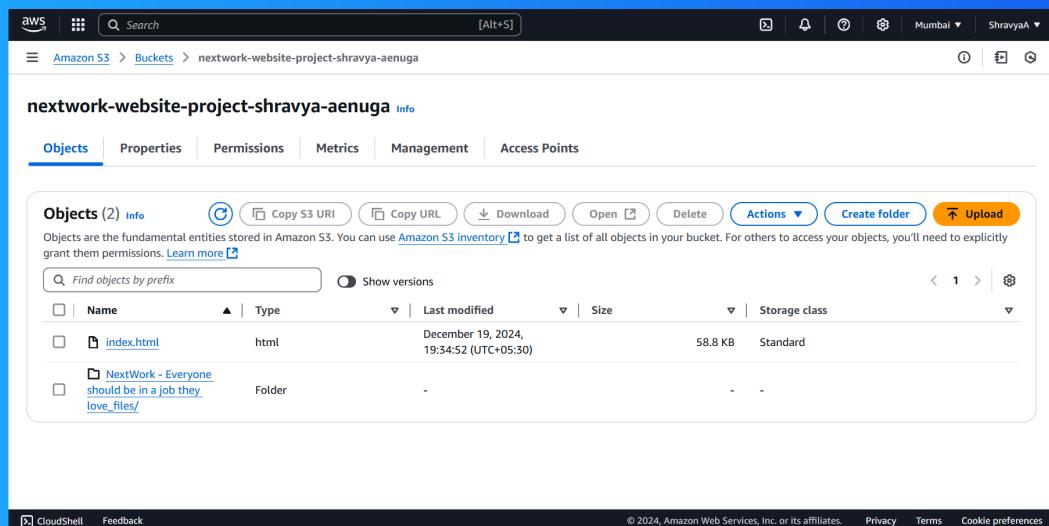


Upload Website Files to S3

index.html and image assets

index.html file and NextWork - Everyone should be in a job they love_files folder

Both files are necessary for this project as they make the website dynamic

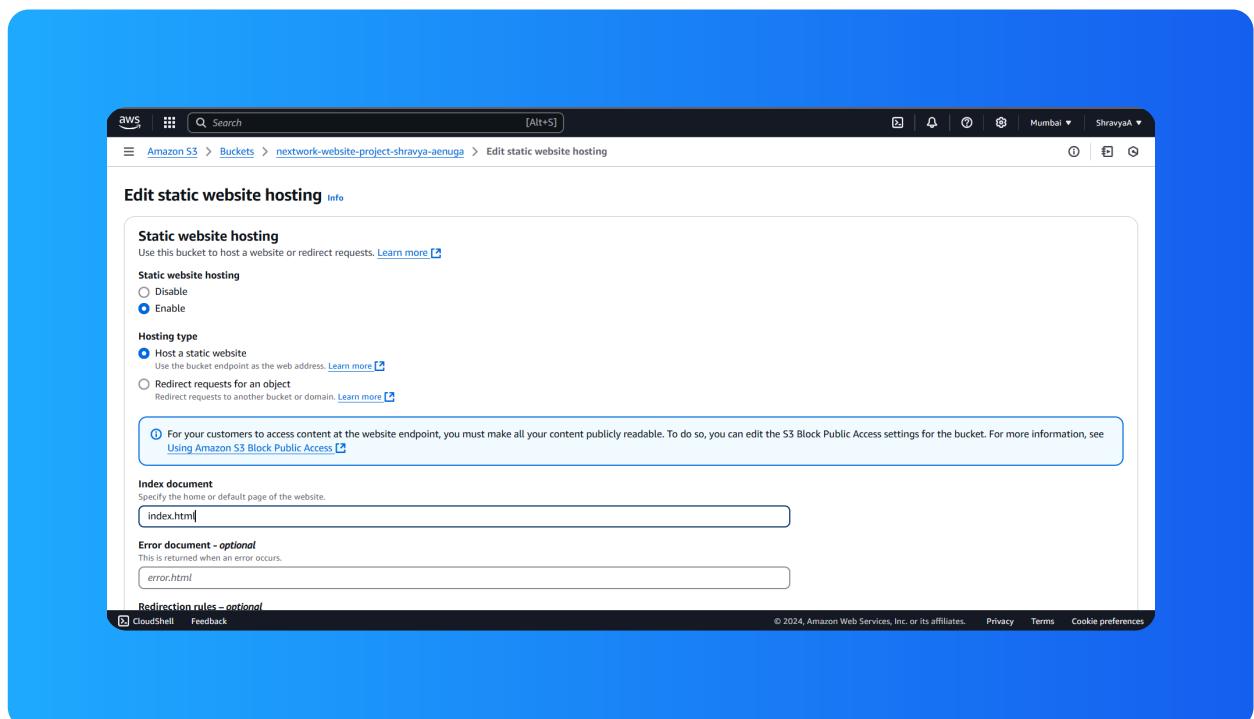


Static Website Hosting on S3

Website hosting means making your website public on the internet. Website hosting = storing your HTML file on a web server, so it's accessible online.

To enable website hosting with my S3 bucket, I changed the properties of static website hosting

An ACL is the policy we are using to determine who can access the objects within the bucket. It has more granular control as it determines the access for each individual object in bucket



Bucket Endpoints

Once static website is enabled, S3 produces a bucket endpoint URL, which is <http://nextwork-website-project-shravya-aenuga.s3-website.ap-south-1.amazonaws.com>

When I first visited the bucket endpoint URL, I saw 403 Forbidden error. The reason for this error was the objects in buckets are private

403 Forbidden

- Code: AccessDenied
- Message: Access Denied
- RequestId: JYD54K64QEVS2K3B
- HostId: kop019UFzHvszdj0MRY8QRcWgCNfDS5Gif1Wym2hk9QIJ9+Jbp/0UUJtjsX1wXzNXAEz9c1NASU=



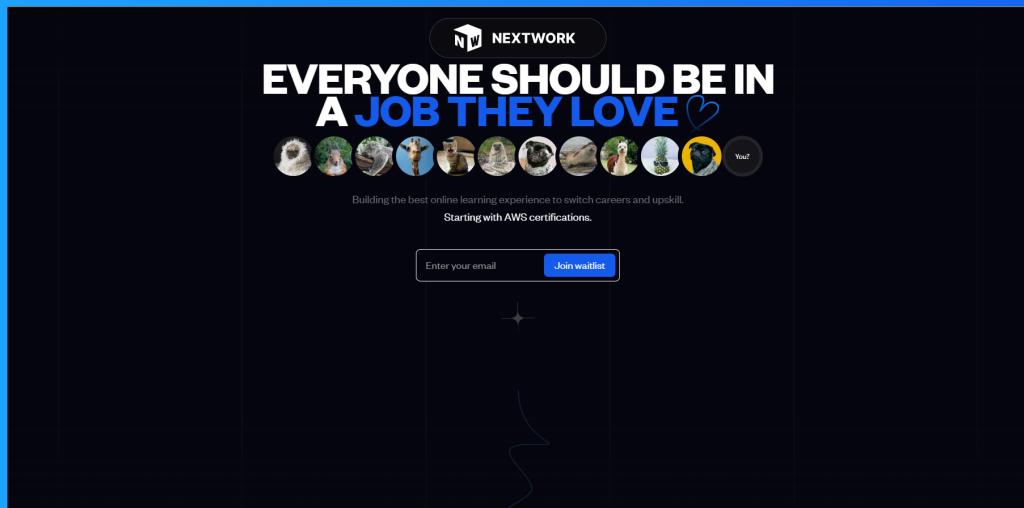
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Shravya
NextWork Student

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Success!

To resolve this connection error, I had to change the ACL of the objects to public in the actions tab





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