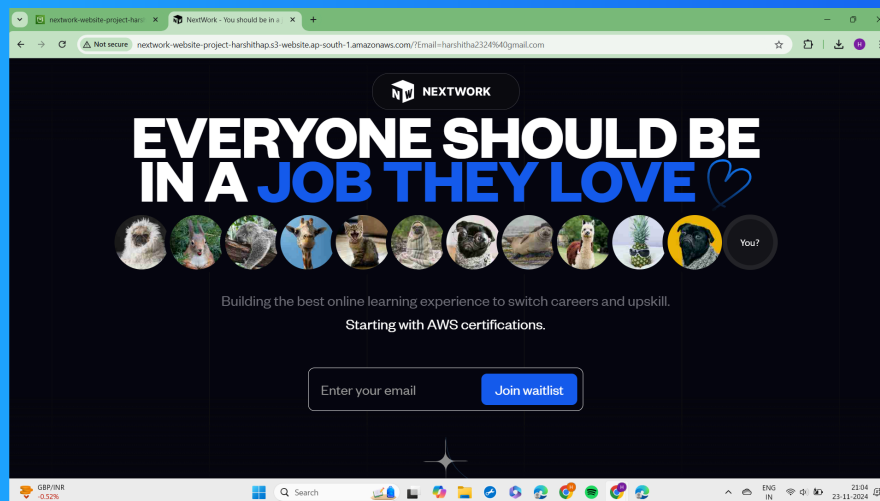




[NextWork.org](https://NextWork.org)

# Host a Website on Amazon S3

 HARSHITHA P





# Introducing Today's Project!

## What is Amazon S3

Amazon S3 is a scalable cloud storage service for storing and retrieving data securely from anywhere. It's useful for backups, hosting, and analytics, offering durability, availability, and cost efficiency.

## How I used Amazon S3 in this project

I Understand How to host a static website in S3 and how to make buckets public using ACL. S3 Helps to upload the Object as file That I have developed And uploaded in S3 Once it is Uploaded it is available over the internet via Static Website Hosting

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

The error that I received after hosting a static website showed a 403 forbidden error. This was due to objects in the buckets are not public. It's unexpected because I used an alternate method to make the object public using the S3 bucket policy

## This project took me...

It took Me Around 30 Minutes.

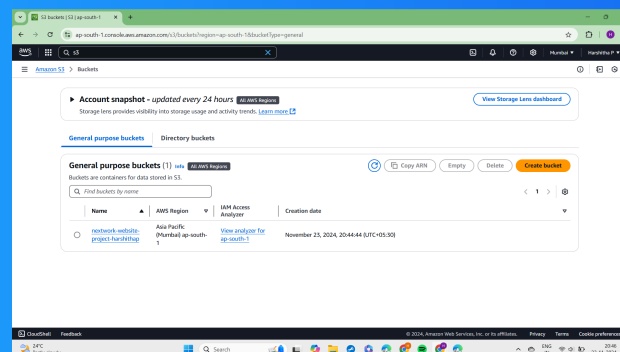


# How I Set Up an S3 Bucket

Creating an S3 bucket took me around a minute.

The Region I picked for my S3 bucket was Asia Pacific (Mumbai) because it offers low latency due to its proximity to Bangalore, cost-effective pricing, compliance with Indian data laws, and improved performance.

S3 bucket names are globally unique! This means no two buckets can share the same name across all AWS accounts worldwide. This ensures each bucket is identifiable via its unique name in the S3 namespace.



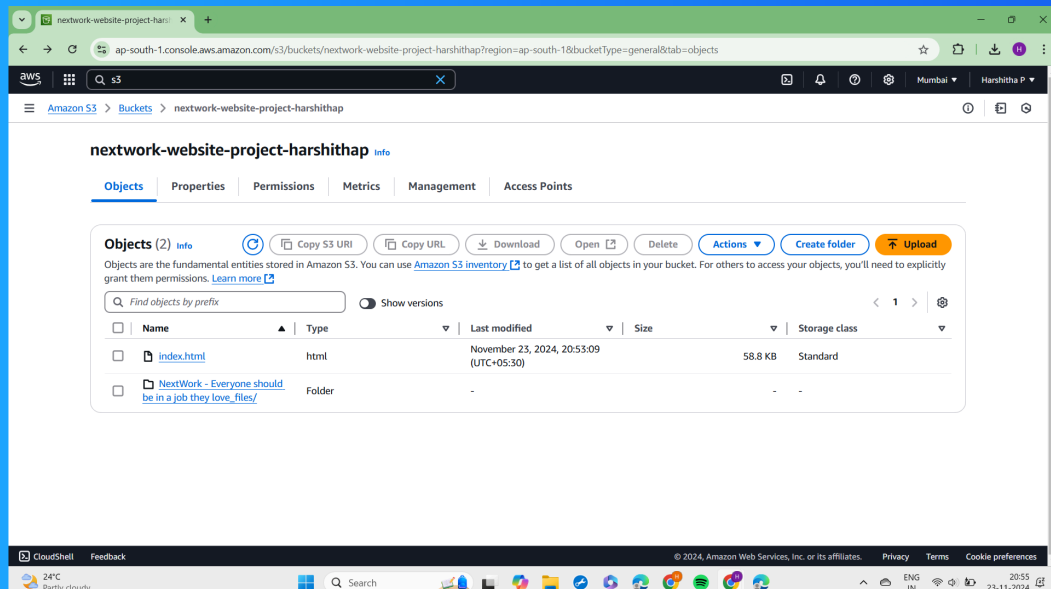


# Upload Website Files to S3

## index.html and image assets

I Uploaded Two files To My S3 Bucket - They are Index.html and The Nextworks Unzipped folder.

Both files are necessary because 'index.html' is the main webpage file, while the "Nextwork" folder contains all the supporting files referenced in 'index.html', such as images, scripts, and styles.



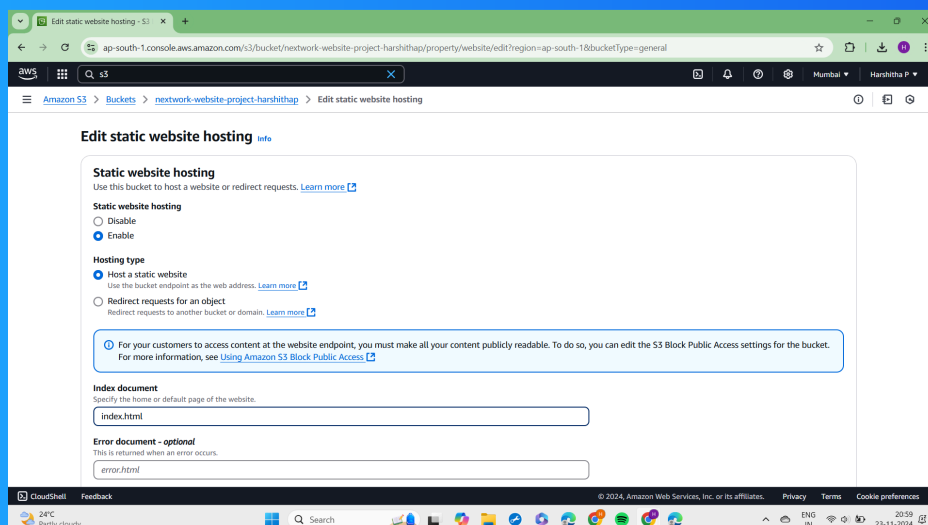


# Static Website Hosting on S3

Website hosting means storing a website's files on a server accessible via the internet, allowing users to view it online. Hosting provides storage, bandwidth, and infrastructure for site availability.

To enable website hosting with my S3 bucket, I configured the bucket settings by enabling static website hosting. I uploaded files, specified an index document, and set bucket permissions for public access.

An ACL is a list that defines permissions for users or groups to access resources like S3 buckets or objects. I have enabled ACLs, allowing fine-grained control over who can read or write data.

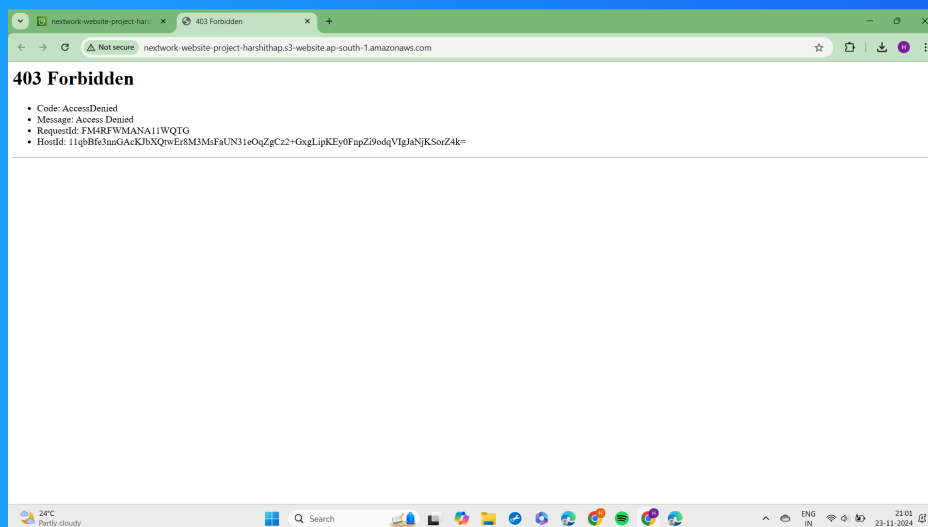




# Bucket Endpoints

Once static website is enabled, S3 produces a endpoint URL `http://nextwork-website-project-harshithap.s3-website.ap-south-1.amazonaws.com` which means your files are ounted on the server. so that people from all around the world can access the website.

When I visited the URL for "The Bucket," I received a 403 Forbidden error.





# Success!

To Resolve The Connection error, I chose BUCKET Object Index.html, went to object action, and clicked "Make public using ACL." This makes My Object Index.html publicly Accessible on the internet.

