

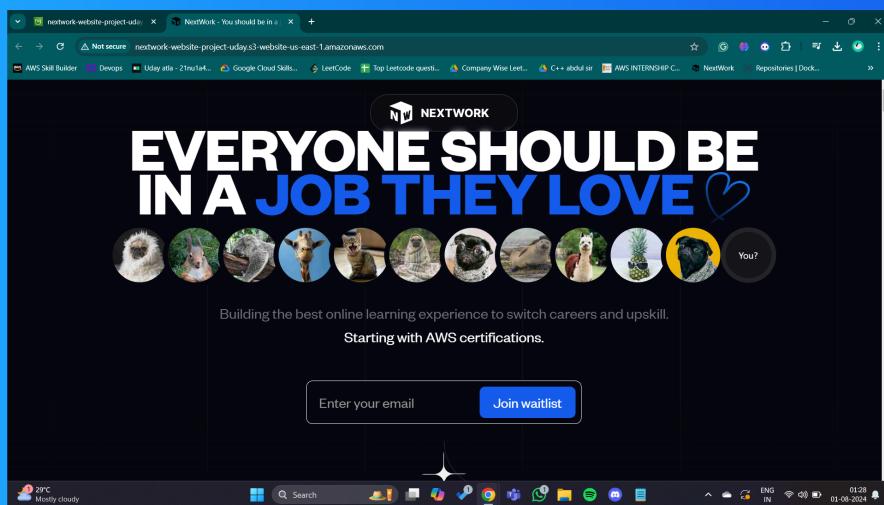


NextWork.org

# Host a Website on Amazon S3



Uday Atla





# Introducing Today's Project!

## What is Amazon S3

Amazon S# is used to host a static website. A static website is a collection of HTML files and each file is akin to a physical page of the actual site. This is done by uploading all the files as Buckets and then entering the bucket's URL.

## How I used Amazon S3 in this project

i've used this service to upload the static website as my 1st project towards this career

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

One thing i've not expected is the time taken to host a website .really fun and easy to do!!!

## This project took me...

less then 30 min if I had not made a mistake but I'm happy that I could resolve the error. and also it is a part of learning



# How I Set Up an S3 Bucket

less than 10 min

N.Virginia

it means the name u provide to your bucket is globally unique until its deleted and no one can create a bucket with the same name

The screenshot shows the AWS S3 console with a green success message at the top: "Successfully created bucket 'nextwork-website-project-uday'". Below it, there's an account snapshot and a general purpose buckets table.

Name	AWS Region	IAM Access Analyzer	Creation date
nextwork-website-project-uday	US East (N. Virginia) us-east-1	<a href="#">View analyzer for us-east-1</a>	August 1, 2024, 01:02:23 (UTC+05:30)



# Upload Website Files to S3

## index.html and image assets

I uploaded two files to my S3 Bucket they were saved in my PC and one had to be UNZIPPED

Both files are necessary for this project as 1 of them holds the html script and other holds the images to be added into the website

Amazon S3 > Buckets > nextwork-website-project-uday

nextwork-website-project-uday [Info](#)

Objects (2) [Info](#)

Name	Type	Last modified	Size	Storage class
index.html	html	August 1, 2024, 01:11:56 (UTC+05:30)	58.8 KB	Standard
NextWork - Everyone should be in a job they love_files/	Folder	-	-	-



# Static Website Hosting on S3

Website hosting means to make it public by giving it a URL to your HTML file

To enable website hosting with my S3 bucket, I first created a bucket and then uploaded both files, and then enabled ACL to make the bucket public and hit the URL. and it worked

## Access Control Lists (ACL)

it is a step to make your bucket public so that the files inside the bucket are also public and anyone can view. i;ve enabled the ACL



# Bucket Endpoints

Once the static website is enabled, S3 produces a bucket endpoint URL, which is where the magic happens and that's how we can see the static website, every website has its own unique URL and we created one using Amazon S3 bucket





# Uday Atla

## NextWork Student

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# An error!

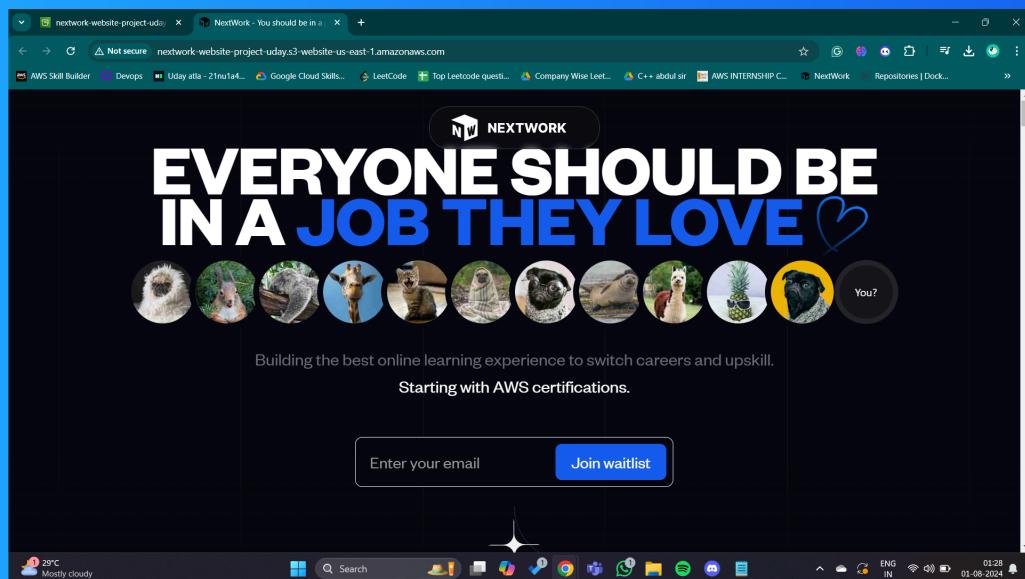
When I first visited the bucket endpoint URL, I saw an error that said 403 Forbidden.

The reason for this error was that our bucket was private. by enabling ACL we make it to public



# Success!

To resolve this connection error, I checked the troubleshooting section under which it was mentioned what is ACL and why should we enable it to make it public





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