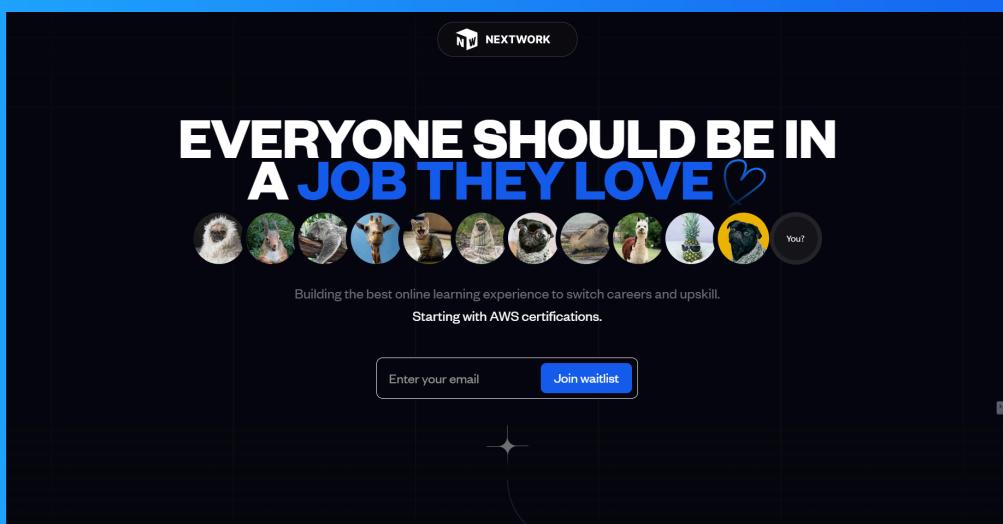




Host a Website on Amazon S3



Arijit Naskar



A circular profile picture of a young man with dark hair, wearing sunglasses and a light-colored patterned shirt, set against a green background.

Introducing Today's Project!

Today's project is...

In this Project, I used S3, to store the website's Index and Designs.

Static website hosting means...

Static website hosting means hosting a website that consists of fixed contentâHTML, CSS, and JavaScript filesâserved to users exactly as stored.

In AWS, I enabled static website hosting by...

To make website Public have to enable the ACL.

One thing I didn't expect...

I didn't expect that this would be this easier to do.

This project took me...

It takes around 50 minutes or less to create this project.

A circular profile picture of a young man with dark hair, wearing sunglasses and a light-colored patterned shirt, set against a green background.

Create an S3 Bucket

Creating an S3 Bucket took me...

It's take less than 10 minutes.

My Region configurations

I choose Asia Pacific (Mumbai) ap-south-1, Because its closest to my location.

My Access Control List configurations

An Access Control List is a set of rules that determines who can access a resource.

S3 bucket naming is important!

Amazon S3 bucket names need to be globally unique because they are part of a global namespace. This means that no two buckets can have the same name across all AWS accounts and regions.



Arijit Naskar
NextWork Student

NextWork.org

General purpose buckets Directory buckets

General purpose buckets (1) [Info](#) [All AWS Regions](#)

Buckets are containers for data stored in S3.

Find buckets by name

[Create bucket](#)

Name	AWS Region	IAM Access Analyzer	Creation date
nextwork-website-project-arijit	Asia Pacific (Mumbai) ap-south-1	View analyzer for ap-south-1	July 19, 2024, 12:53:01 (UTC+05:30)

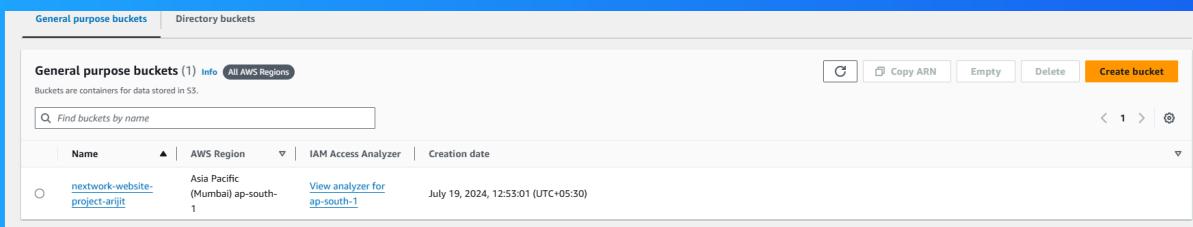
Upload Website Files to S3

Next, I uploaded the following files...

An HTML file that contains the Index of the web page and a folder that contains the Desings/CSS

How these files work...

We need both files because the Index file is the website's structure, and the CSS/JS makes the website attractive.



A circular profile picture of a young man with dark hair, wearing sunglasses and a light-colored patterned shirt, set against a green background.

Static Website Hosting on S3

Static website hosting means...

"Website hosting" refers to providing storage space and access for websites on servers connected to the Internet. In simpler terms, it means making your website available and accessible to users on the World Wide Web.

How I enabled hosting...

To enable website hosting in AWS, create an S3 bucket, enable static website hosting, upload your files, and set a bucket policy for public access.

Bucket Endpoints

Bucket Endpoint URLs

With the URL we can access the website we are hosting.

The screenshot shows the 'Edit static website hosting' configuration page for a bucket named 'nextwork-website-project-arjit'. The 'Static website hosting' section is enabled. Under 'Hosting type', 'Host a static website' is selected. A note in a callout box states: 'For your customers to access content at the website endpoint, you must make all your content publicly readable. To do so, you can edit the S3 Block Public Access settings for the bucket. For more information, see Using Amazon S3 Block Public Access.' The 'Index document' field is set to 'index.html' and the 'Error document - optional' field is set to 'error.html'.

An error!

When I first visited the bucket endpoint URL, I saw...

I saw an error message.

Why did I get an error?

because the objects are set to private by default.

403 Forbidden

- Code: AccessDenied
- Message: Access Denied
- RequestId: Q504KAESRK8AS170
- HostId: Is5lOdioGeT5rlKIXSphQ/HY6jyZLq7IaL0acKjI/oefhF9vFEtHnQJoUzU3jBtX2/5fToxmFBU=

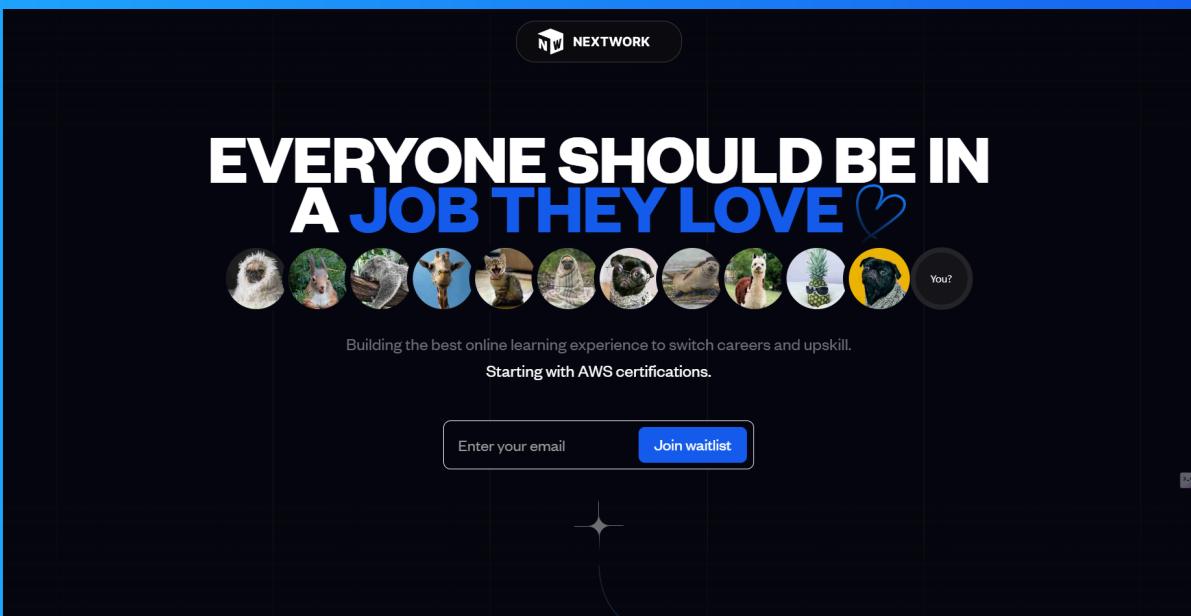
Arijit Naskar
NextWork Student

NextWork.org

Success 🎉

How I resolved my error...

using Make public using ACL



Everyone should be in a job they love.

Check out nextwork.org for
more projects

