# How I Hosted A Website on S3
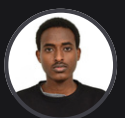
Ahmed Ali

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# Introducing Amazon S3!

## What it does & how it's useful

Amazon S3  is a storage service that offers data availability and security

## How I'm using it in today's project

I'm using Amazon S3 in this project  to host a static website

## This project took me...

about 6 hours

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# Create an S3 bucket

- Creating an Amazon S3 bucket took me about 7 minutes.

- Some of the configuration steps include:
  - The bucket's Region: [What does this mean? US East (N. Virginia) us-east-1]
  - Access Control Lists: A set of rules that specifies who can access the resources, i chose enabled.
  - Bucket versioning: enabled.
  - Public Access: if anyone else can see the website on the internet , i cleared the block public access checkboxes.

S3 bucket names have to be globally unique, which means no one else in the world can use it unless i delete the bucket.

My created bucket!

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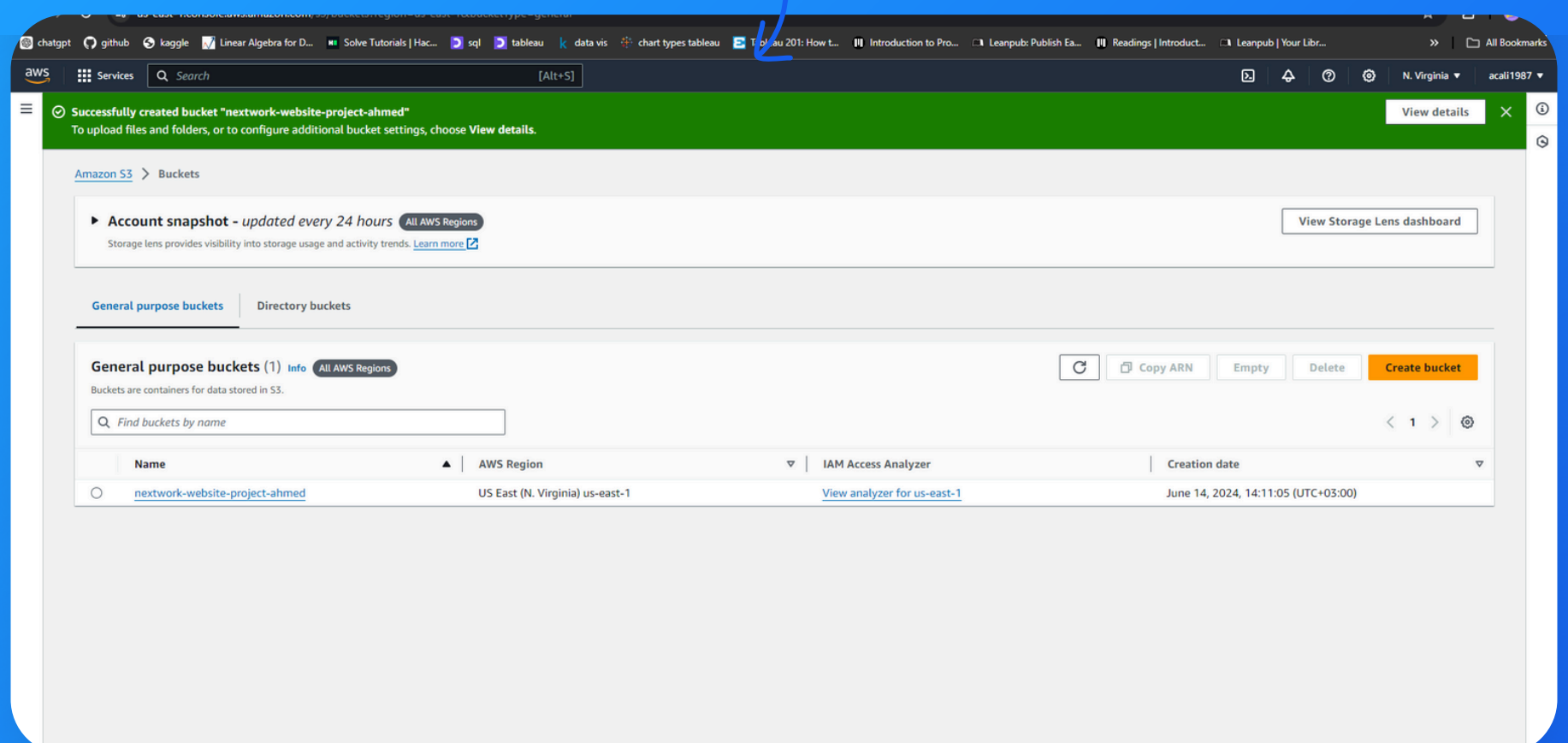
# Upload website files to S3

- Next, I uploaded my website's files into my S3 bucket.

- There were two files to upload: index.html is the template part of the webpage that is the blueprint while the extracted zipped folder contained the static files to make the website dynamic i.e the javaScript files

Caption for image. Make it short and sweet!
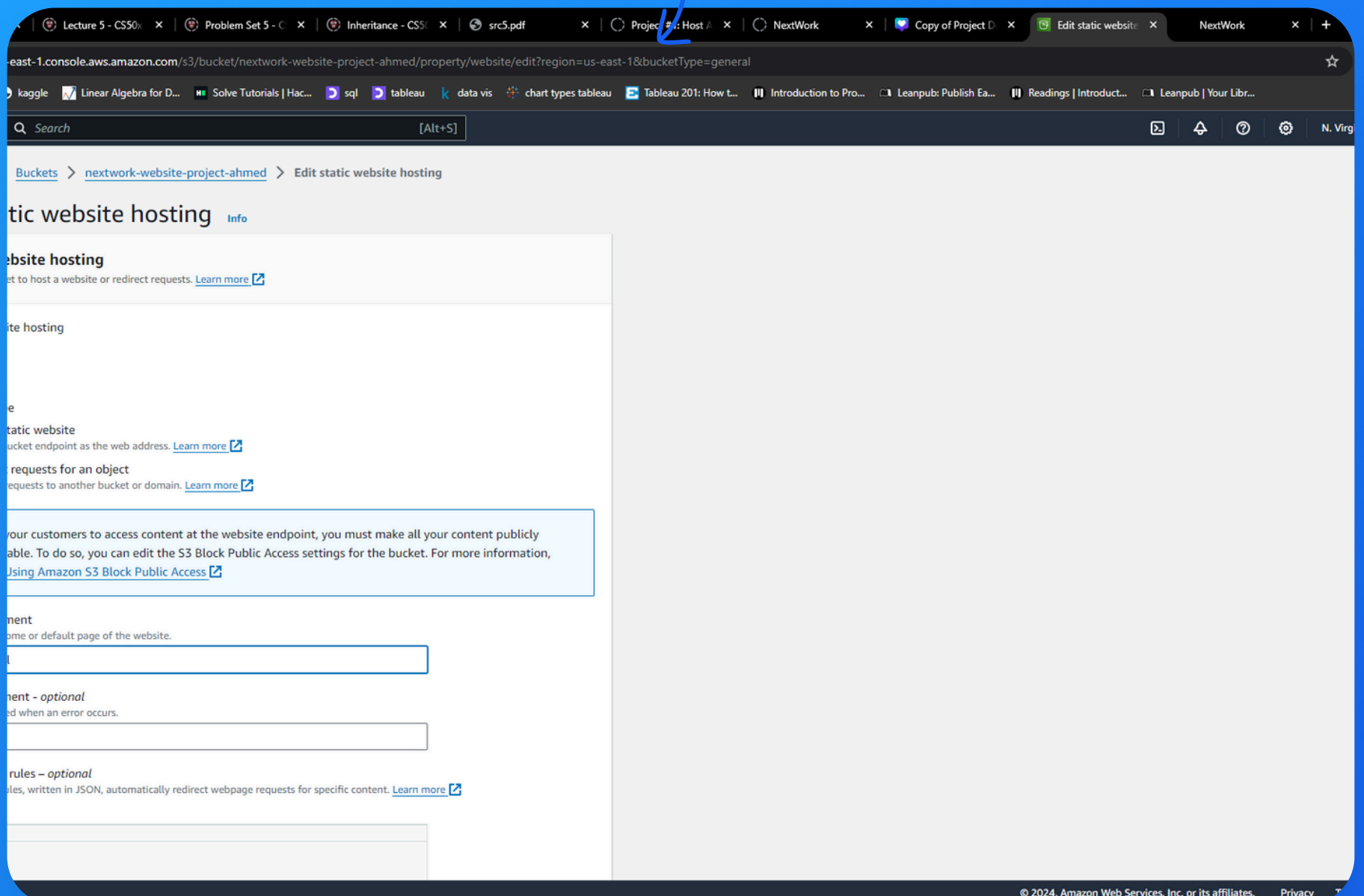
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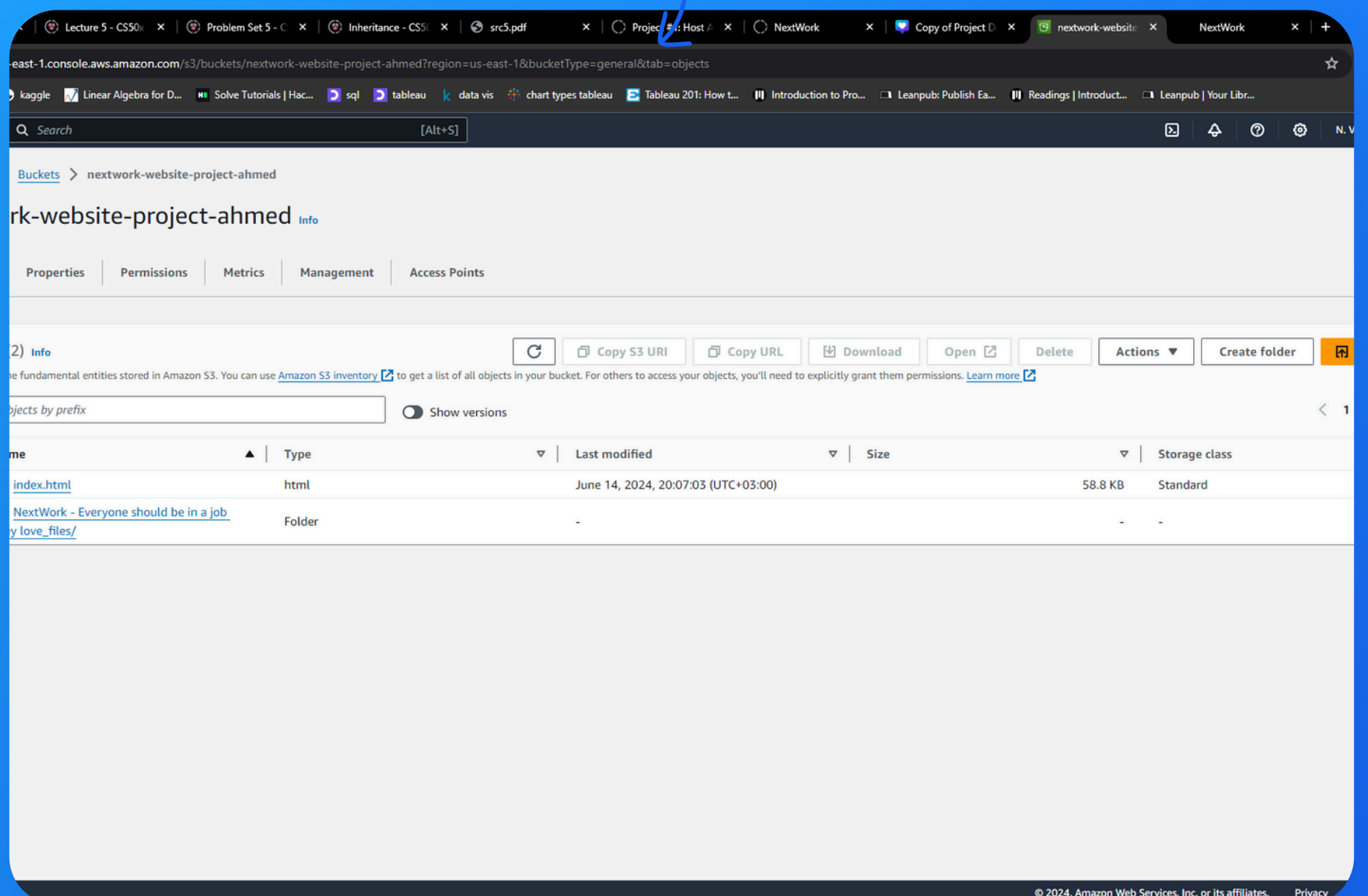
# Static web hosting on S3

- Website hosting means...

- To enable website hosting, I chose the properties tab on my created bucket and scrolled down to choose edit button on the static host website and then enabled it and gave index.html as the index document.

- Once static website is enabled, S3 produces a bucket endpoint URL, it is meant to take you to the website you just created
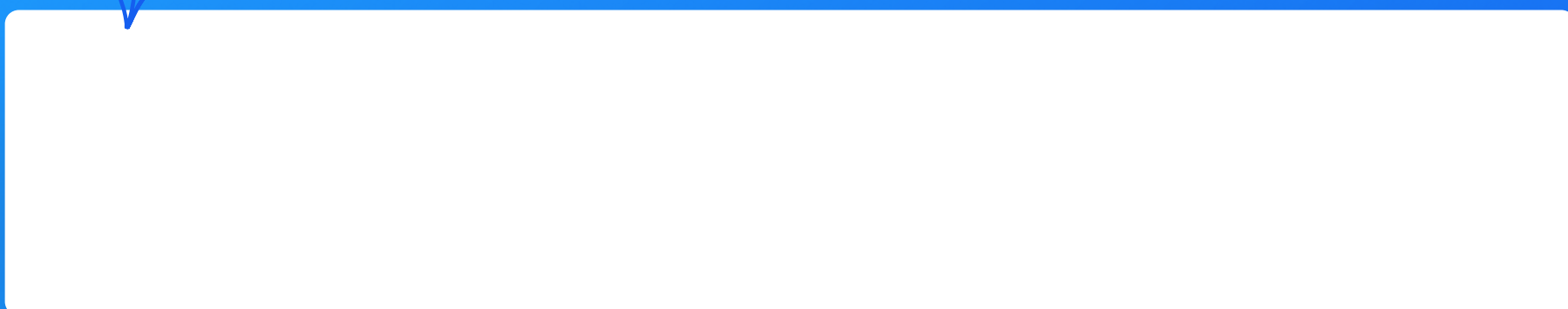
Setting up static website hosting...

# An error!

- When I visited the bucket endpoint URL,403 Forbidden and error messages saying access denied.

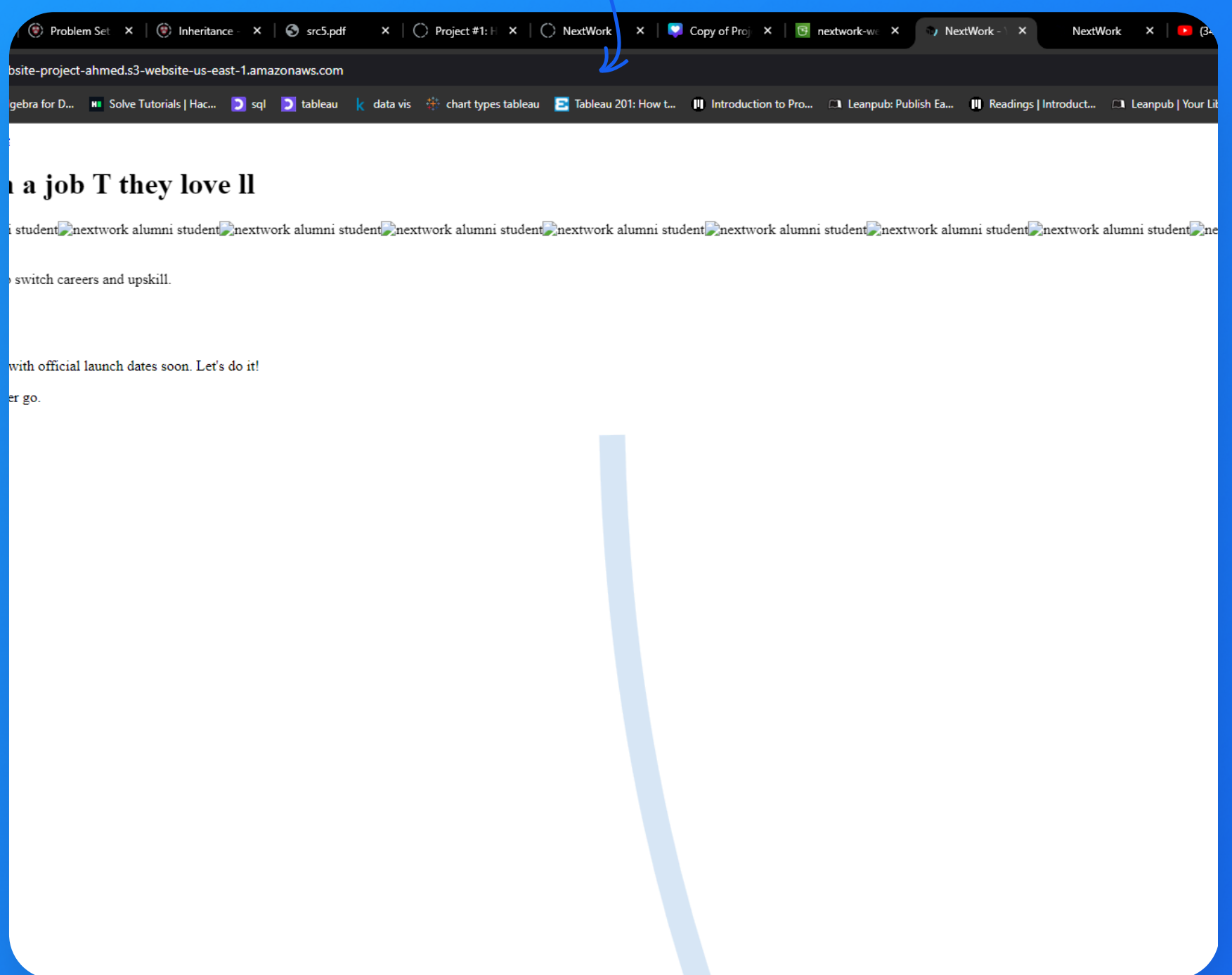- The reason for this error was the images and HTML files I provided was private.

The error!

Voila! My website was up and running after resolving those errors

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# My key learnings

**1** Static website hosting means displaying HTML and webpage files stored on a web server

**2** The settings I used to make my website available to the public were enabled ACL  public access

**3** My bucket endpoint URL initially still returned an error because my webpage content were private.
I had to resolve this by making my website files public

**4** One thing I didn't expect was how useful s3 is , I am definitely going to test hosting websites i code

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