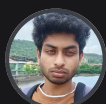


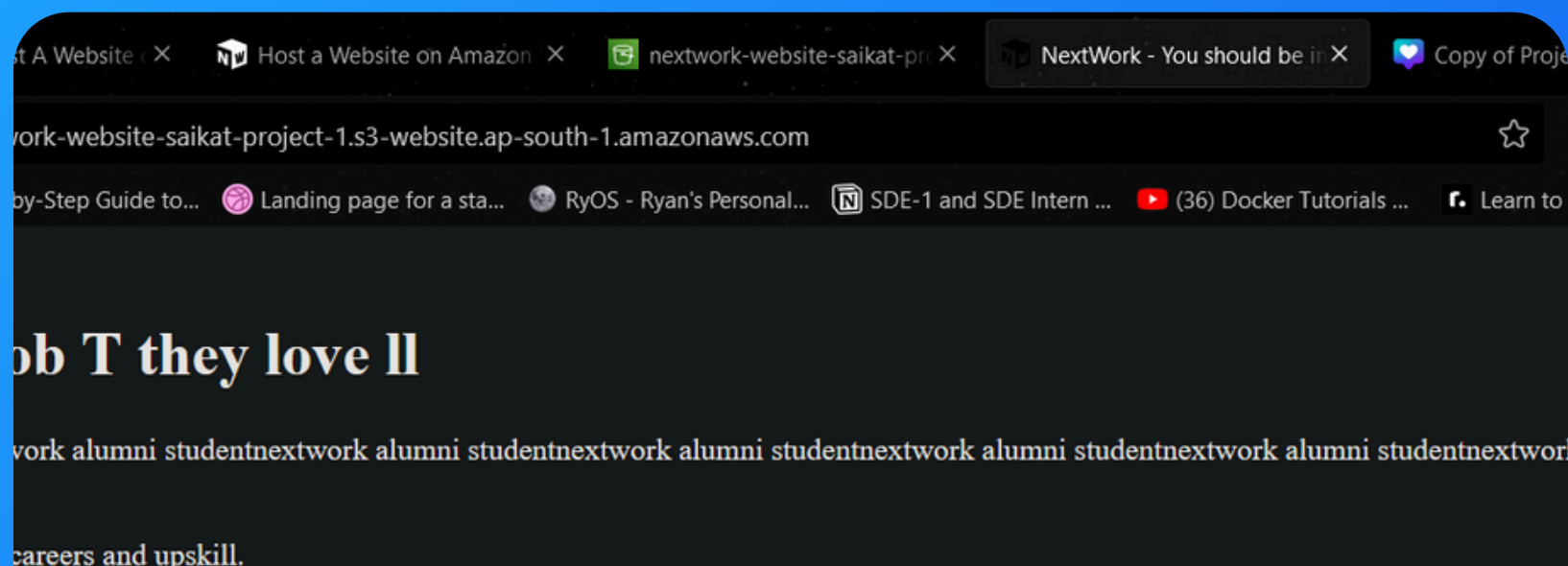


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How I Hosted A Website on S3



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Introducing Amazon S3!

What it does & how it's useful

Amazon S3 (Simple Storage Service) is a scalable object storage service provided by Amazon Web Services (AWS). It offers a secure, durable, and highly-scalable storage infrastructure to store and retrieve any amount of data from anywhere on the web.

How I'm using it in today's project

I'm using Amazon S3 in this project to host a static website using amazon s3 and amazon route53.

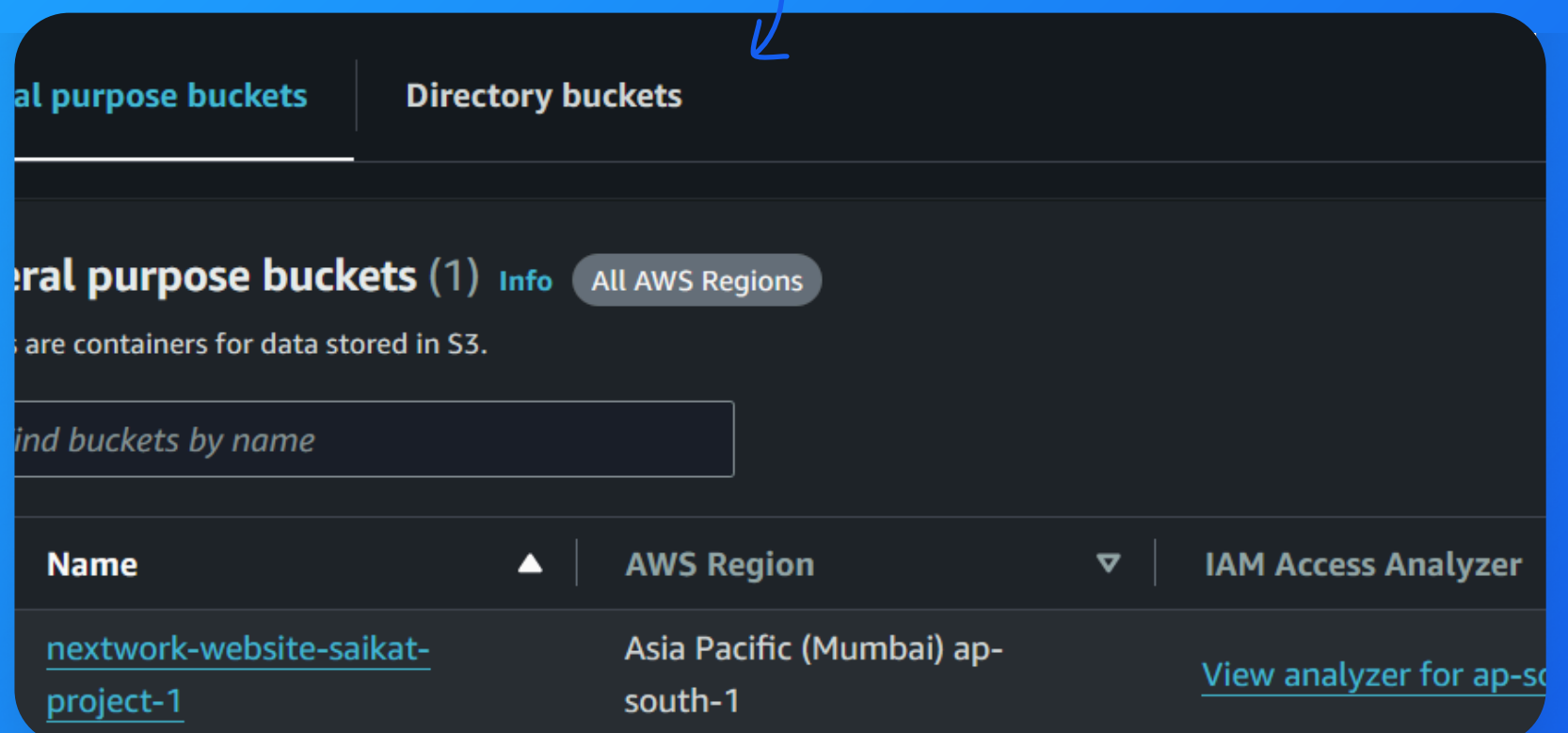
Time taken

To complete this project it took me around 30 minutes and for writing the documentation it took me around 15 minutes.



Create an S3 bucket

- Creating an Amazon S3 bucket took me hardly around 2 minutes.
- Some of the configuration steps include:
 - The bucket's Region: I chose the nearest option that is Mumbai for fast access.
 - Access Control Lists: This is basically like permission, like who can get access to your resources.
 - Bucket versioning: I turned on versioning so that I can update the bucket time to time.
 - Public Access: I unchecked it as I am hosting the site as a public url.
- S3 bucket names have to be globally unique, which means there is only one bucket the name I gave to it while creating.

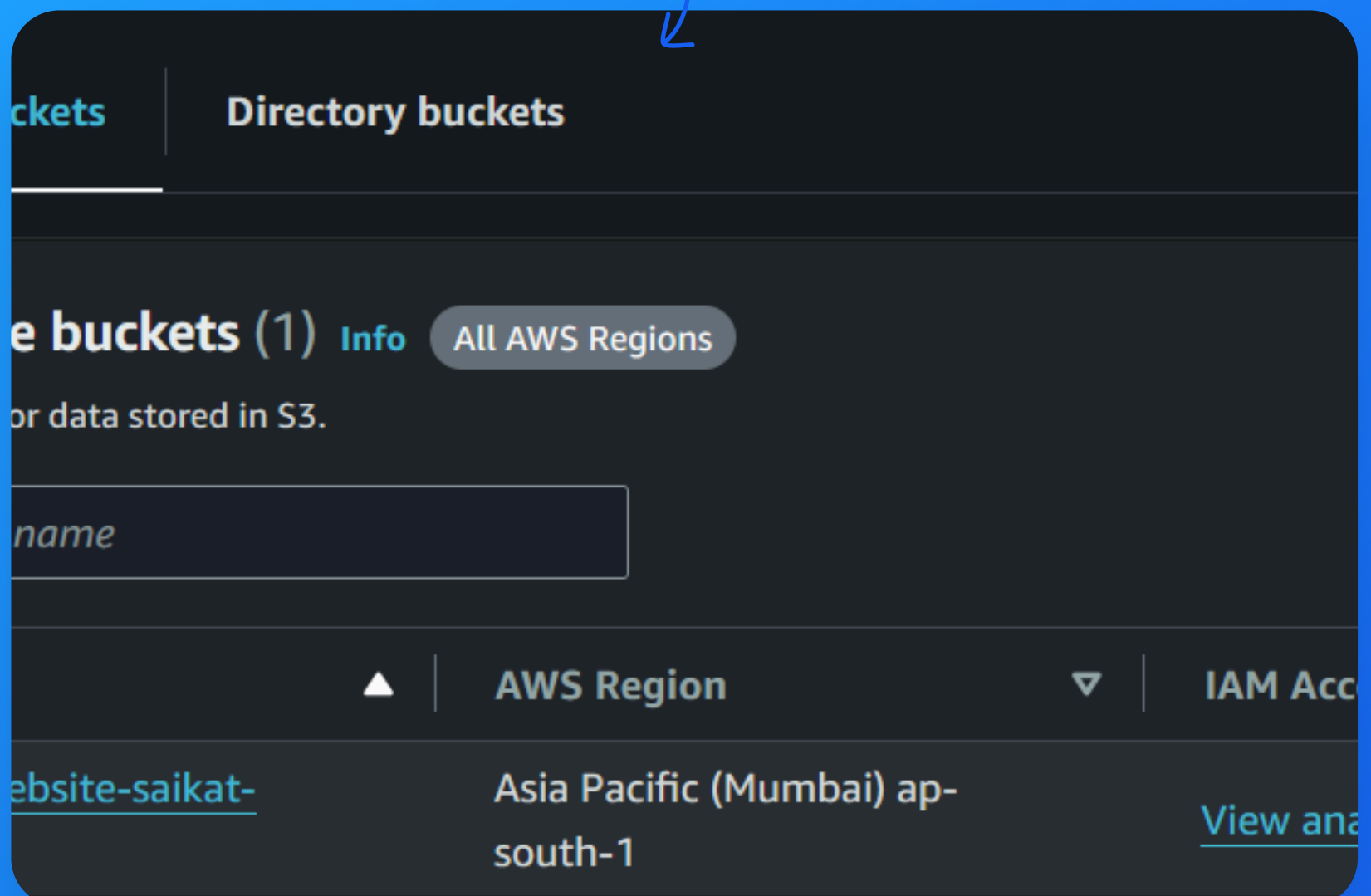




Upload website files to S3

- Next, I uploaded my website's files into my S3 bucket.
- There were two files to upload: I uploaded an index.html file and a folder containing other js and css files .

files uploaded here

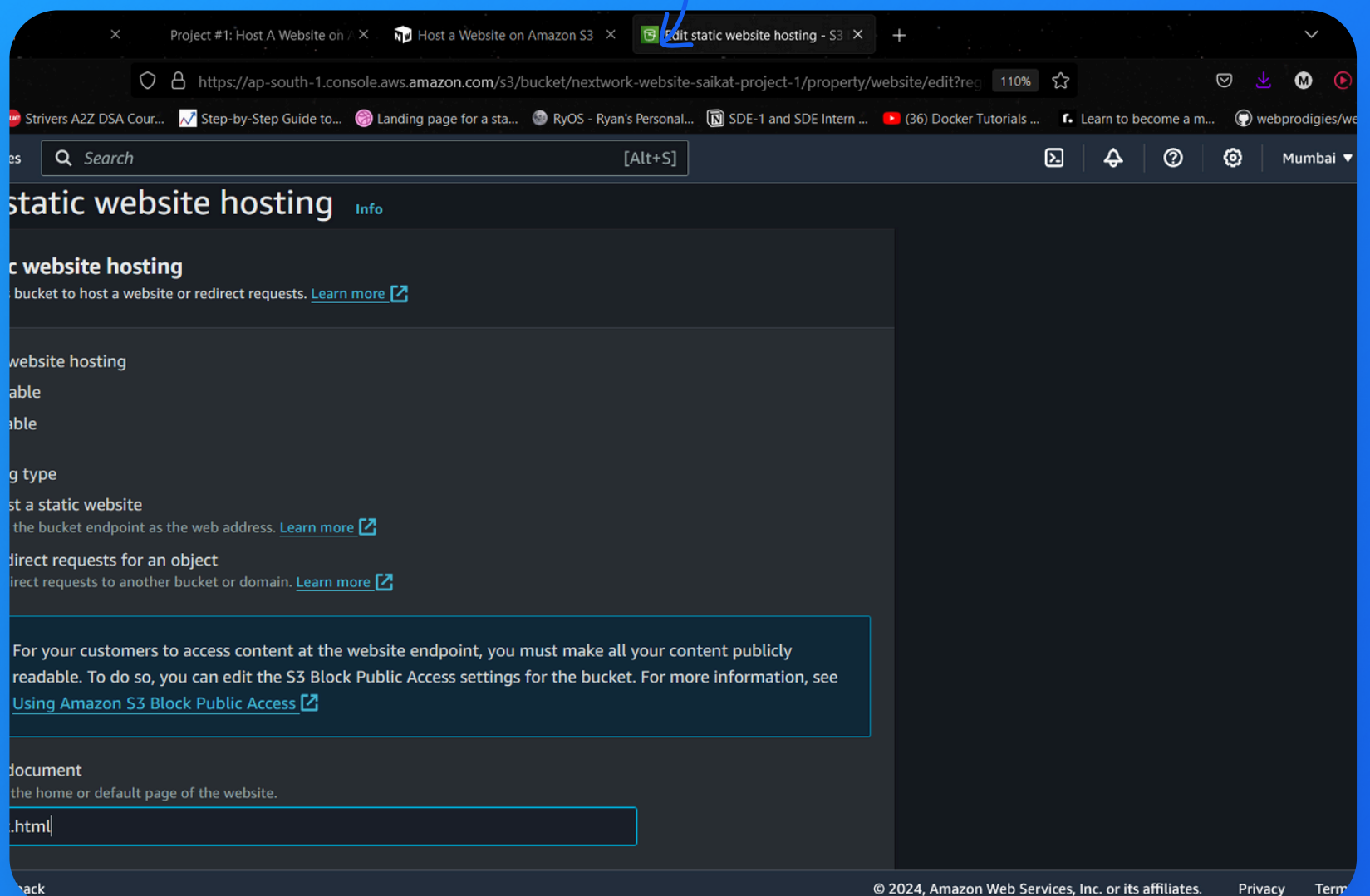




Static web hosting on S3

- Website hosting means uploading files to web servers so that public can view it.
- To enable website hosting, I first selected the bucket i created then went to properties tab and scrolled down to static website hosting. There I enabled static website hosting and selected index.html file.
- Once static website is enabled, S3 produces a bucket endpoint URL which is the public url for public view.

Setting up static website hosting...





An error!

- When I visited the bucket endpoint URL, 403 forbidden !. Which means it's hosted but i can't access it.
- The reason for this error was Objects are private by default. This default setting helps keep the account's data secure.

The error!

403 FORBIDDEN

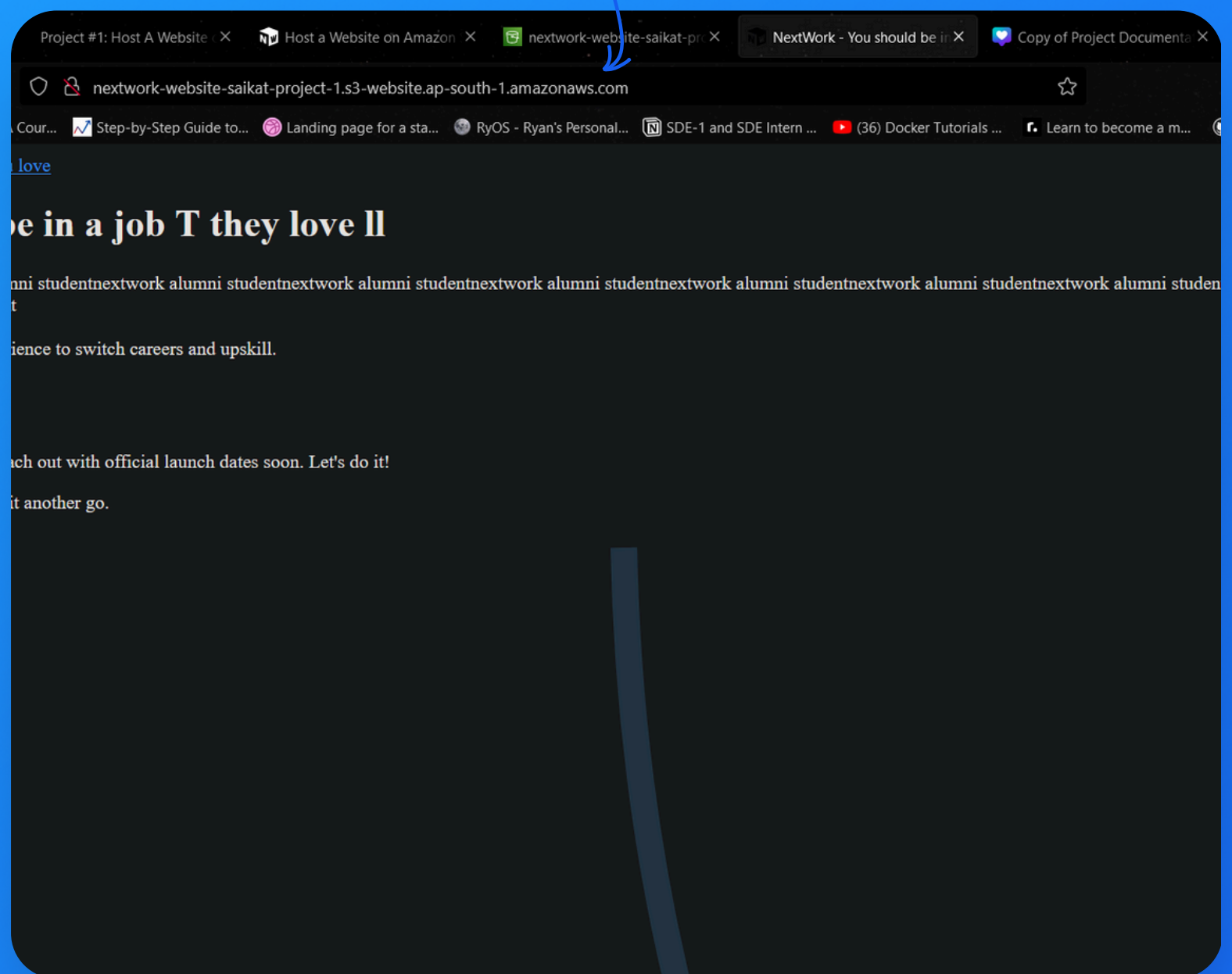
- Code: AccessDenied
- Message: Access Denied
- RequestId: 2691SVDYVR663VCN



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





My key learnings

- 1 Static website hosting refers to hosting that serves pre-built HTML, CSS, and JavaScript files to users.
- 2 The settings I used to make my website available to the public were to host the static website by enabling static website hosting.
- 3 To resolve the 403 forbidden error were by setting Make public using ACL option in actions tab after cliccking on the index.html file.
- 4 One thing I didn't expect was that it was so easy to host a static website using amazon s3.