Team 7 Hack Squad

Title: Quote Generator.

Project Overview:

The **Quote Generator** is a web-based application designed to inspire, motivate, and entertain users by presenting them with random quotes from a curated collection. The application aims to provide an engaging user experience, allowing people to discover meaningful quotes across various categories such as motivation, life, love, technology, and humour.
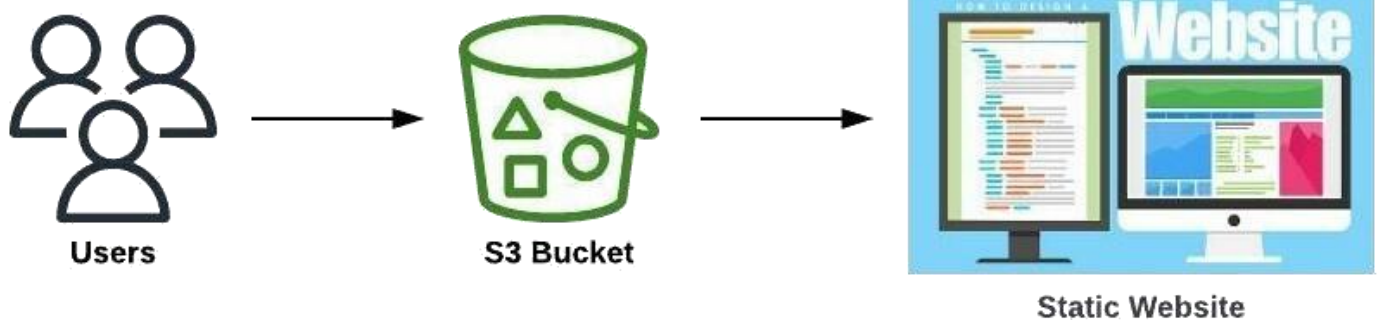
Technologies Used

Frontend (Web Page)

- **HTML5, CSS3, JavaScript**

Cloud & Deployment (AWS Services)

- **Amazon S3**

Development Tools

- **Git & GitHub**
- **Visual Studio Code (VS Code)**

Users → S3 Bucket → Static Website

System Architecture:

Index.Html file

```html
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="UTF-8">
 <meta name="viewport" content="width=device-width, initial-scale=1">
 <title>Quote Generator</title>
 <link rel="stylesheet" href="style.css">
</head>
<body>
 <div class="container">
  <h1>Quote Generator</h1>
  <div id="quote-box">
   <p id="quote"></p>
   <p id="author"></p>
  </div>
  <button onclick="generateQuote()">New Quote</button>
 </div>
 <script src="script.js"></script>
</body>
</html>
```
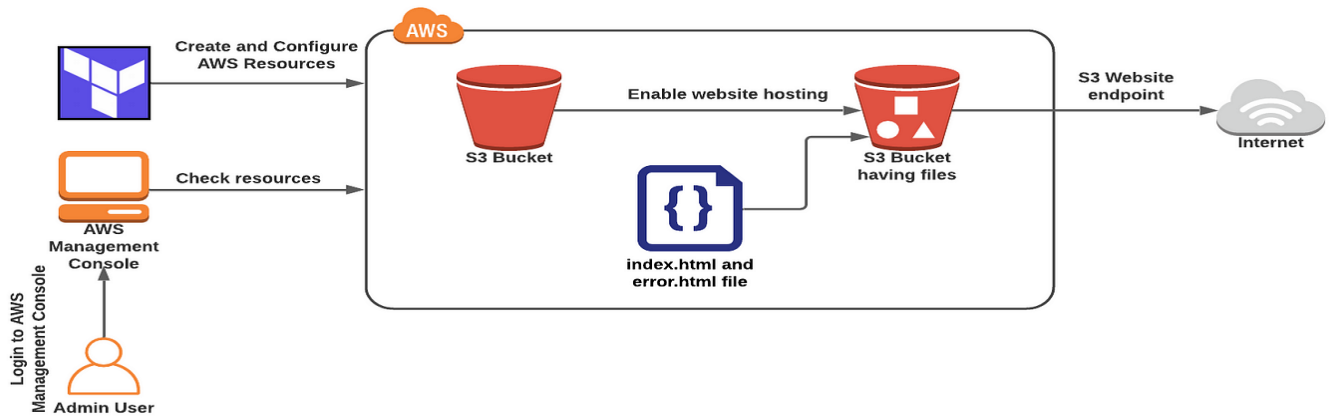
Output:

Quote Generator

New Quote

Style.css file:

```css
body {
  font-family: 'Segoe UI', sans-serif;

  display: flex;
  justify-content: center;
  align-items: center;
  height: 100vh;
  margin: 0;
  background:
url("https://static.vecteezy.com/system/resources/previews/006/852/804/original/abstract-blue-background-simple-design-for-your-website-free-vector.jpg") center/cover no-repeat;
}

.container {
  text-align: center;
  background-color: white;
  padding: 40px;
  border-radius: 10px;
  box-shadow: 0 4px 15px rgba(0, 0, 0, 0.1);
}

#quote-box {
  margin: 20px 0;
}

#quote {
  font-size: 1.5em;
  margin-bottom: 10px;
}

#author {
  font-size: 1.2em;
  color: #555;
}
```
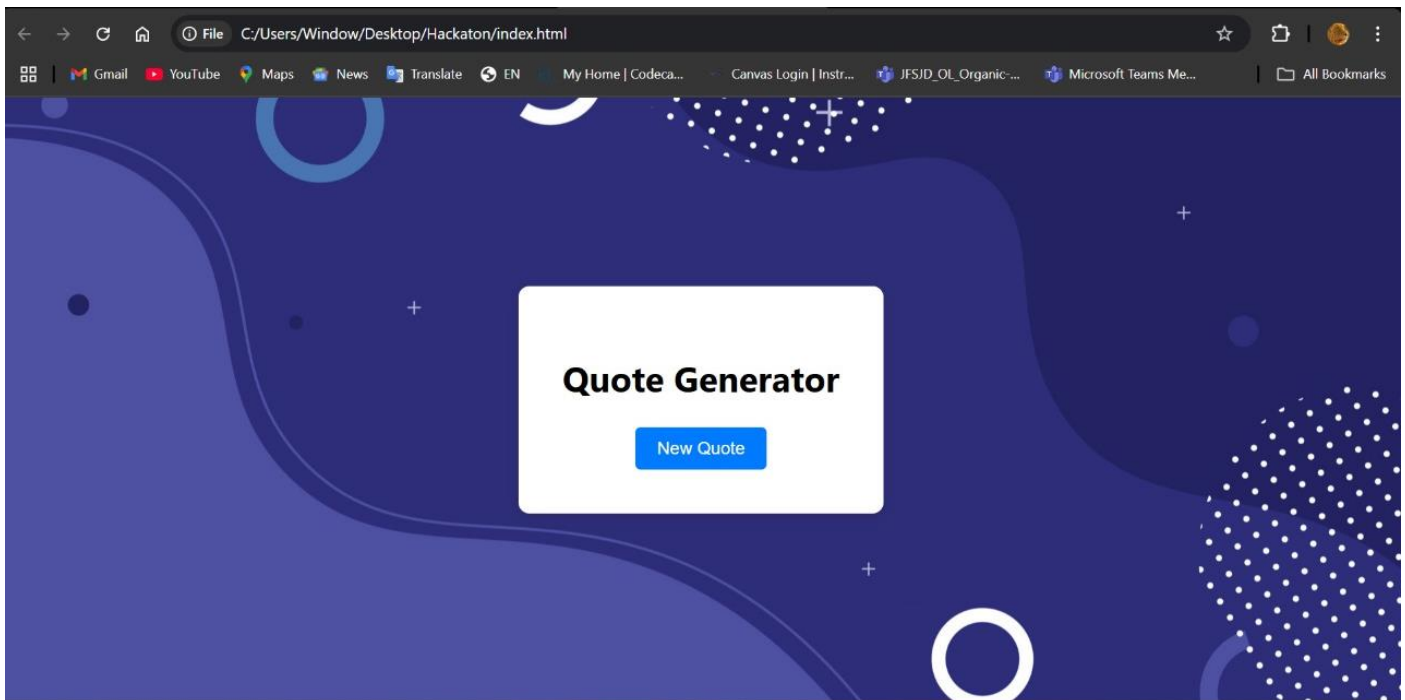
```css
button {
  background-color: #007bff;
  color: white;
  border: none;
  padding: 10px 20px;
  font-size: 1em;
  border-radius: 5px;
  cursor: pointer;
}
button:hover {
  background-color: #0056b3;
}
```
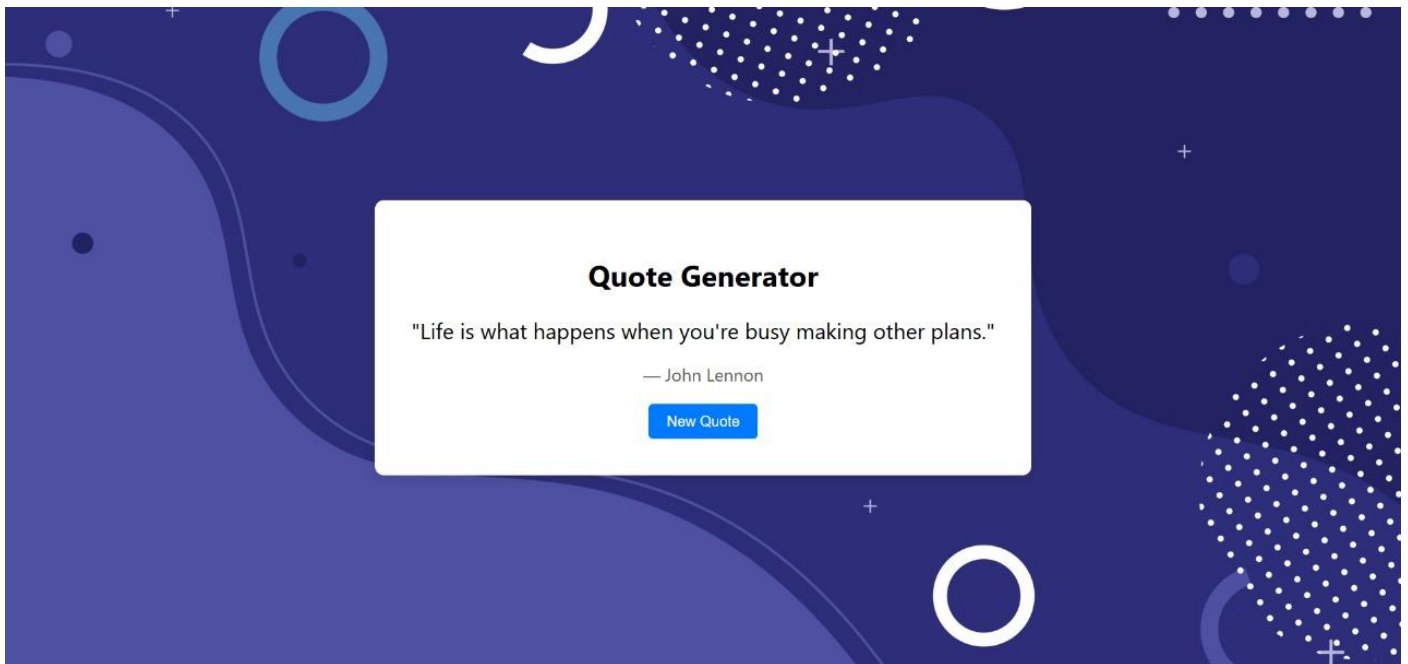
Output:

Script.js file:

```javascript
const quotes = [
 { text: "The only way to do great work is to love what you do.", author: "Steve Jobs" },
 { text: "Life is what happens when you're busy making other plans.", author: "John Lennon" },
 { text: "Success is not in what you have, but who you are.", author: "Bo Bennett" },
 { text: "Your time is limited, don't waste it living someone else's life.", author: "Steve Jobs" },
 { text: "Be yourself; everyone else is already taken.", author: "Oscar Wilde" },
 { text: "To be or not to be, that is the question.", author: "William Shakespeare"},
 { text: "Genius is one percent inspiration and ninety-nine percent perspiration.", author: "Thomas Edison"}
];
```

```
function generateQuote() {
  const randomIndex = Math.floor(Math.random() * quotes.length);
  const quote = quotes[randomIndex];
  document.getElementById("quote").textContent = `"${quote.text}"`;
  document.getElementById("author").textContent = `— ${quote.author}`;
}
```
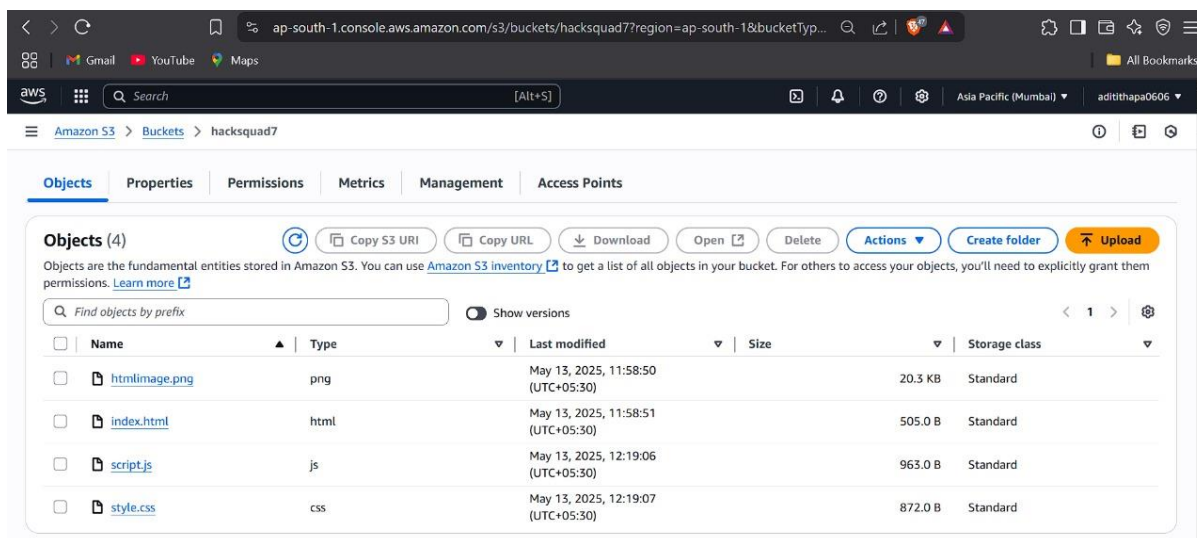
Output:

AWS Services

Step 1: Create an S3 Bucket

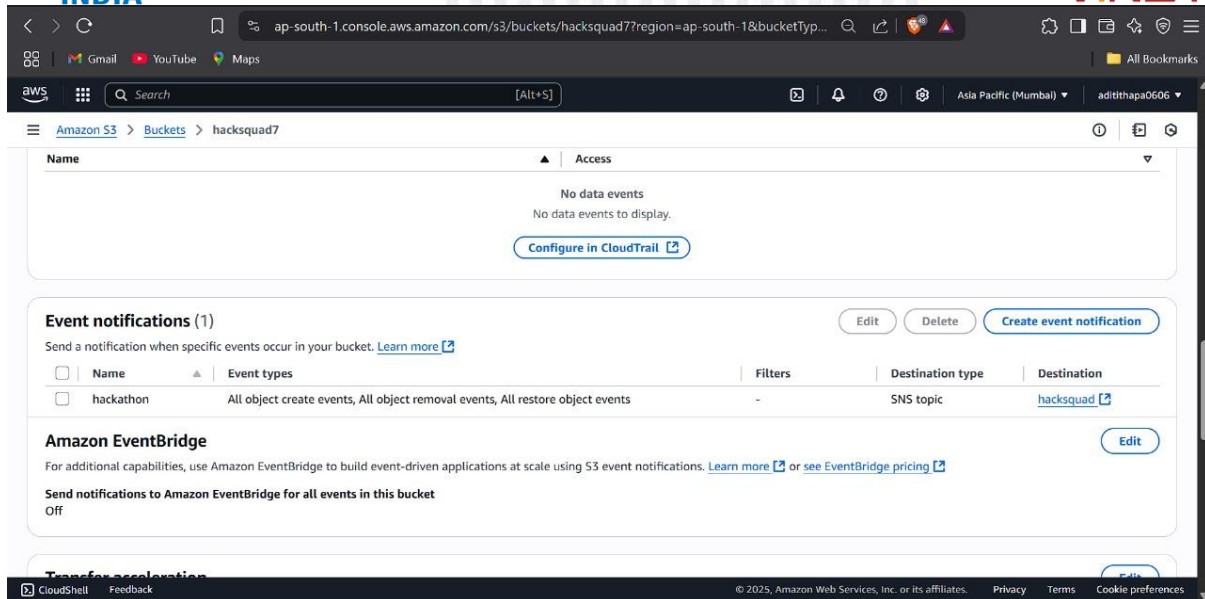Go to the AWS S3 console

Click "Create bucket"

Bucket name must be exactly the same as your domain name (hacksquad7)

Choose a region and create the bucket

Step 2: Upload Website Files

- Open the bucket

- Click **"Upload"**

- Upload your index.html, htmlimage.png, script.js,style.css files.
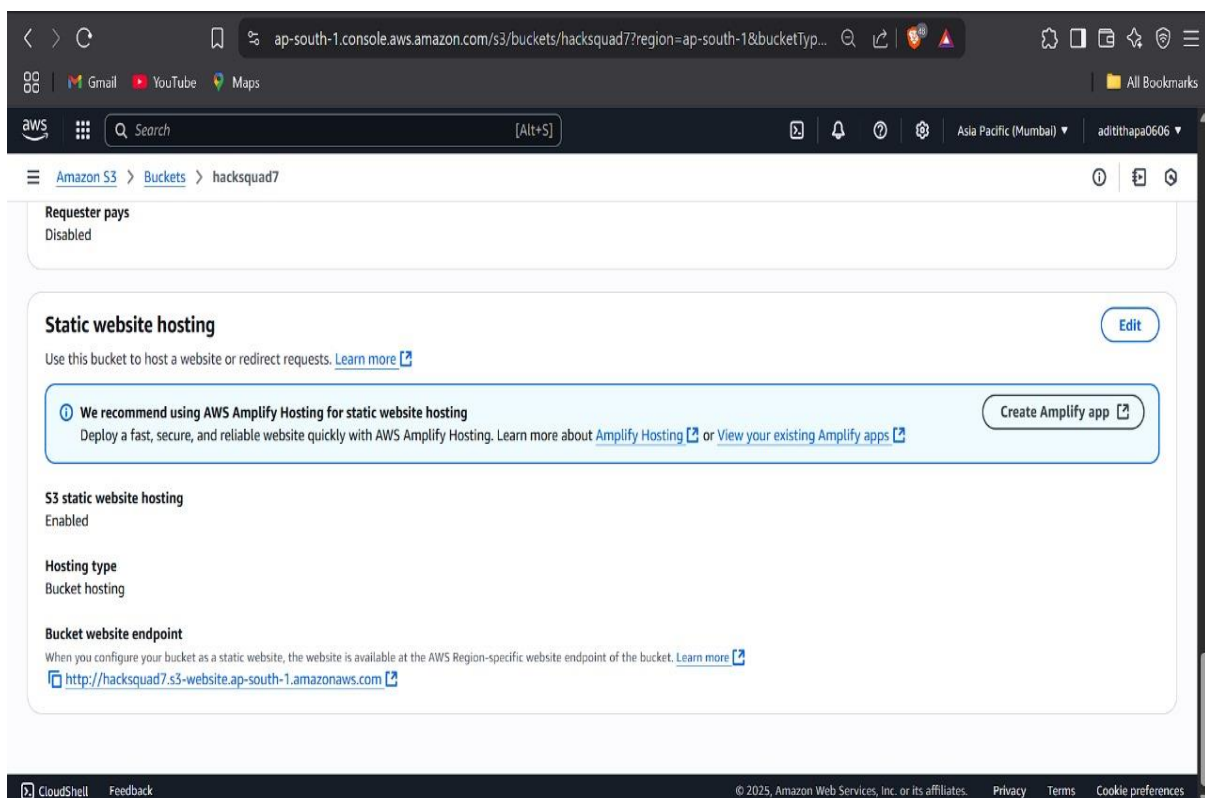
Step 3: Enable Static Website Hosting

Go to the **"Properties"** tab of the bucket

Scroll to **"Static website hosting"**
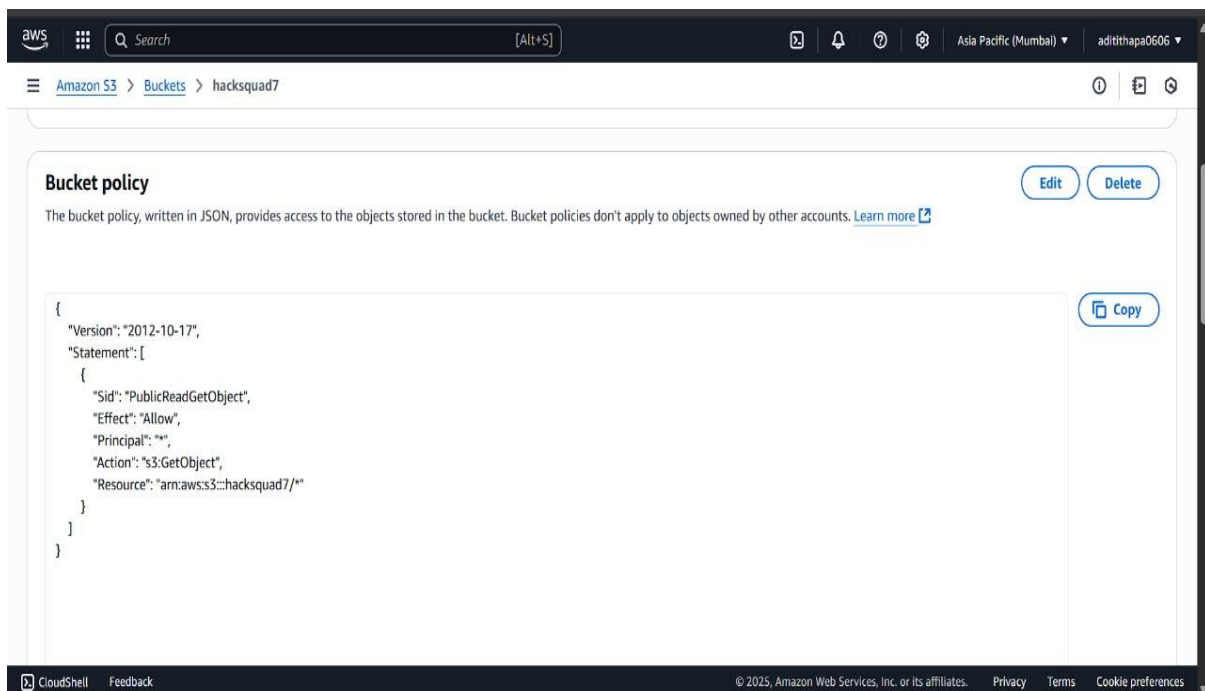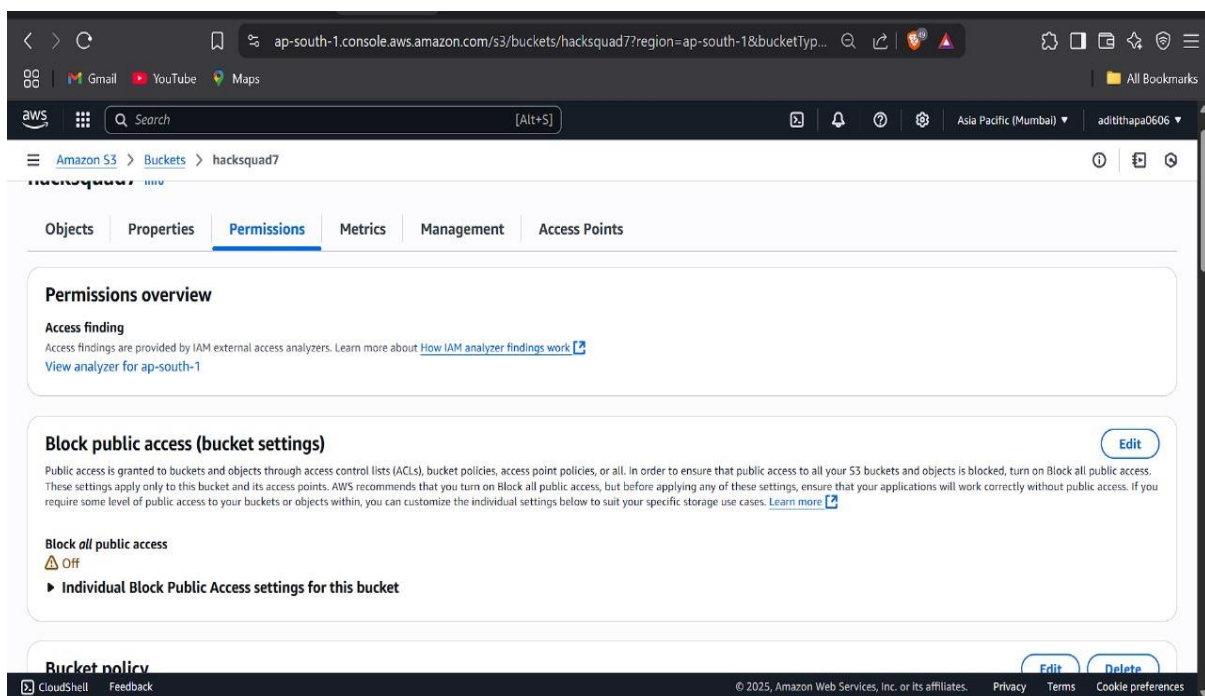
Click **Edit**, then: Choose: **Enable**

Step 4: Make Files Public

- Select all your uploaded files

- Click **Actions → Make public**
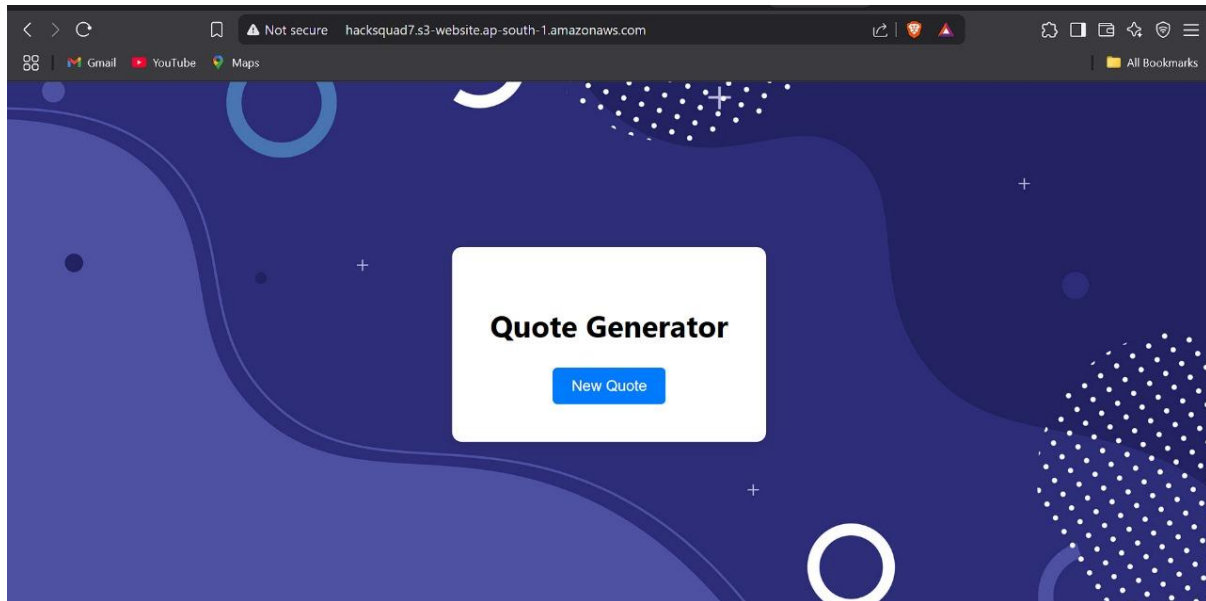 *(or use a bucket policy)*

OR:

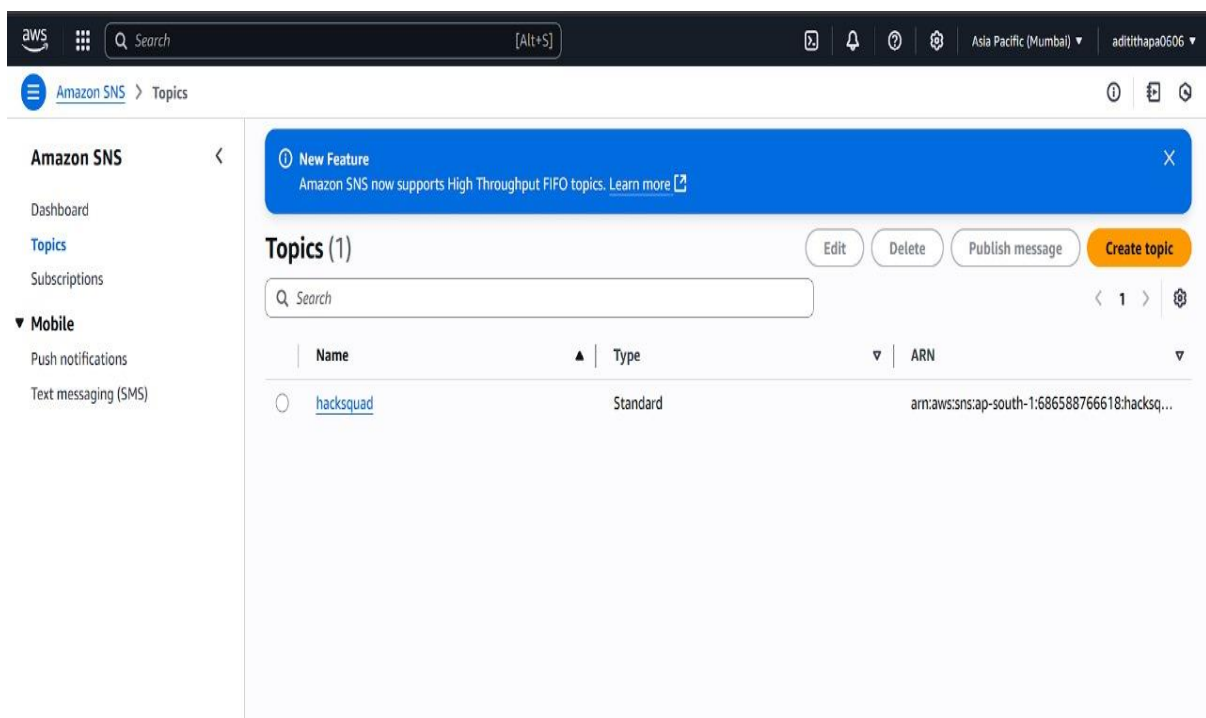Add this **bucket policy** under the **Permissions > Bucket policy** tab

Step 5: Access Your Website

- Go to **Properties > Static website hosting**

- Copy the **Website endpoint URL**

- Open it in a browser to see your site live

  http://hacksquad7.s3-website.ap-south-1.amazonaws.com

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Step 6 :Attach the SNS Topic to the S3 Bucket

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SNS Email Notification:

Step 1: Create an SNS Topic
Go to Amazon SNS console

Click "**Topics**" → Create topic

Choose Standard

Name the topic (e.g., s3-upload-alerts)

Click Create topic

Step 2: Subscribe to the Topic
After creating the topic, click "Create subscription"

Select:

Protocol: Email (or another)

Endpoint: your email address (e.g., you@example.com)

Click Create subscription

Check your email and confirm the subscription

Step 3: Attach the SNS Topic to the S3 Bucket
Go to S3 Console

Open your target bucket

Click "**Properties**"

Scroll to Event notifications

Click "**Create event notification**"

Name the event (e.g., upload-event)

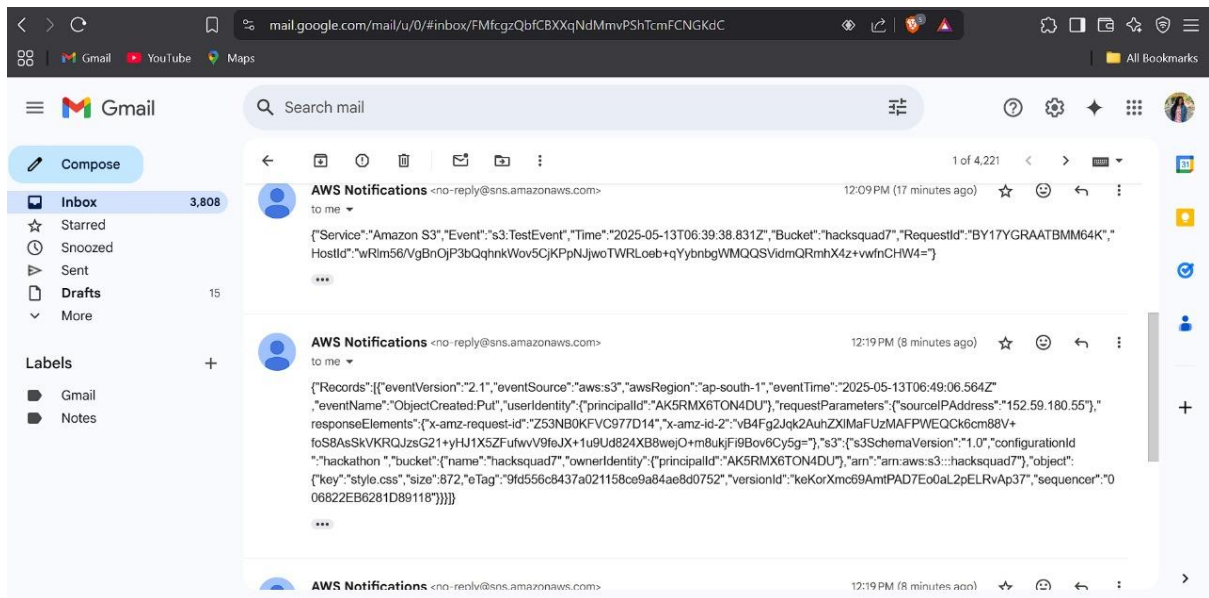**Choose:**

Event types: e.g., All object create events

Prefix/Suffix: optional (e.g., only .jpg files)

Under Destination:

Choose SNS Topic

Select your topic (e.g., s3-upload-alerts)

Click Save changes

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Git & Github:

Link: https://github.com/dhadveomkar/Hackathon

Thank you :-