D Y PATIL INTERNATIONAL UNIVERSITY
AKURDI PUNE

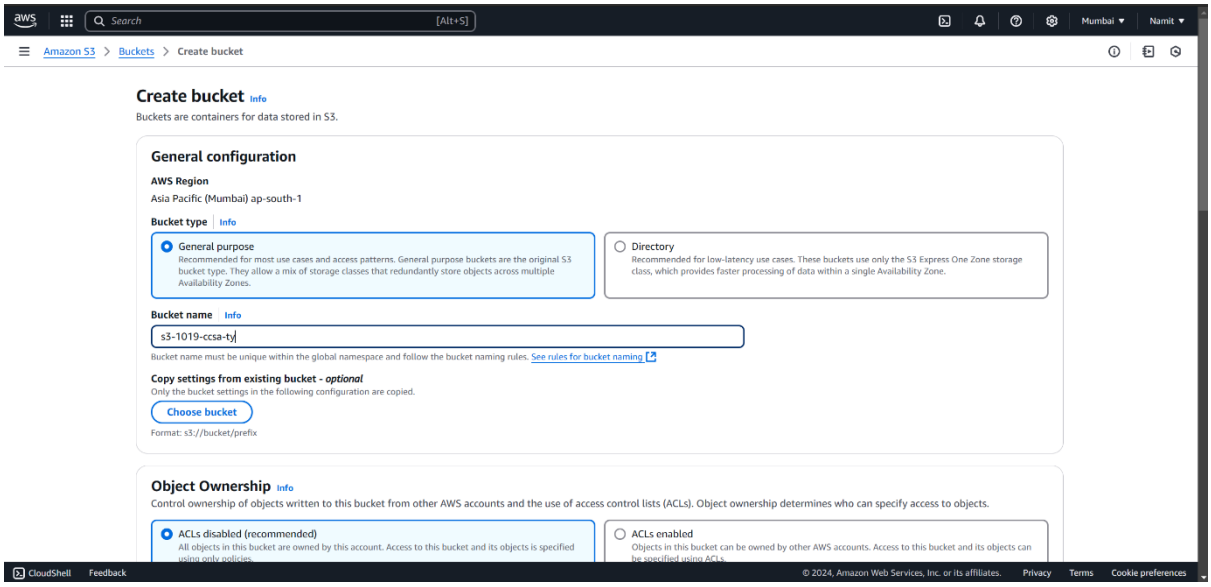
School of Computer Science, Engineering and Applications (SCSEA)
B.C.A. TY (CCSA)
Subject: Advanced Cloud Computing (P)

Name of the Student: Namit Agarwal **PRN:** 20220801019

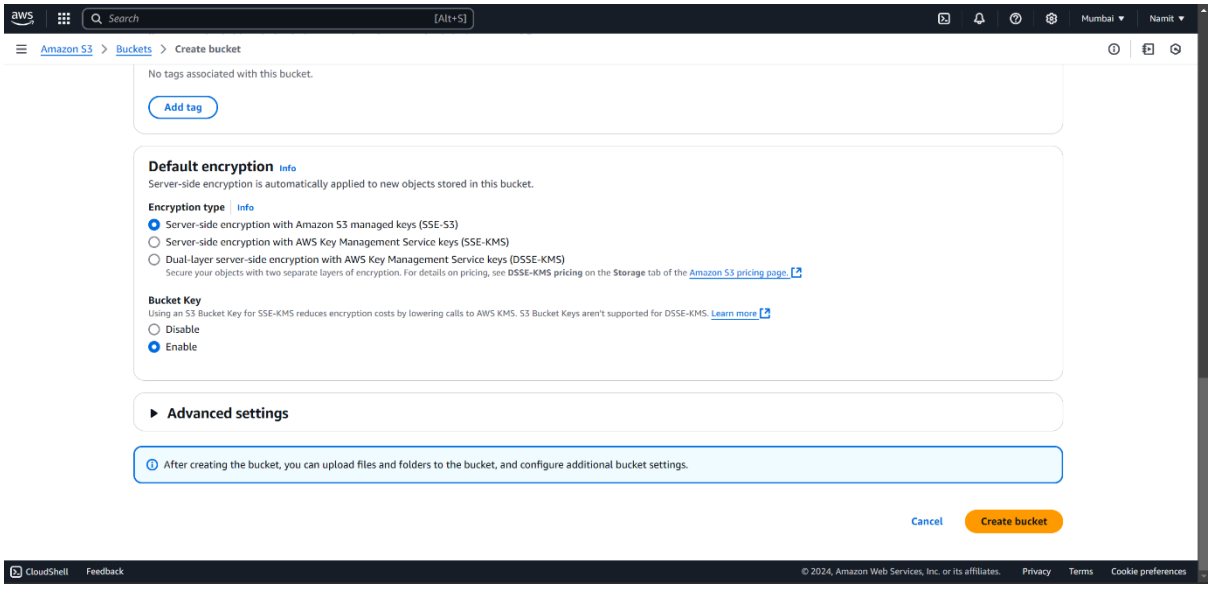
Title of Practical: Securely access S3 images using Amazon Cloud Front

1. Create an S3 Bucket

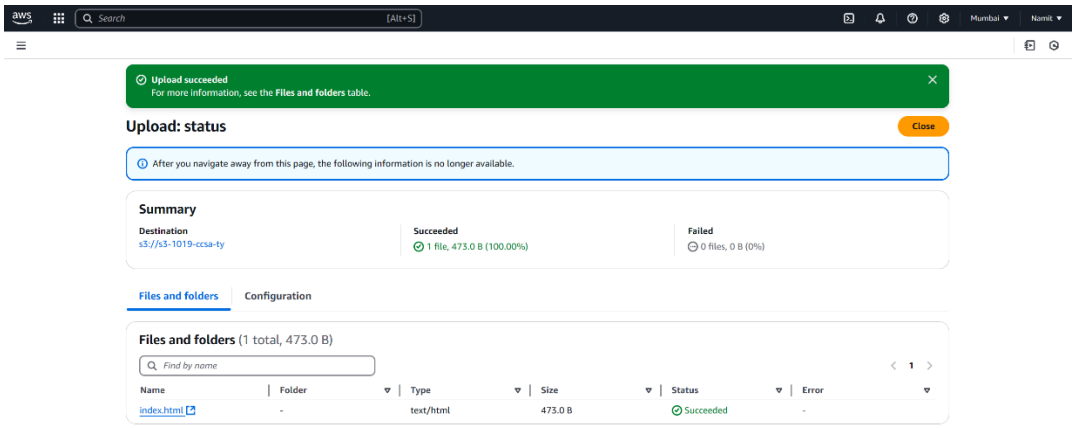
1. Go to the **S3 Service** and click on **Create Bucket**.
2. Provide a **unique name** for the S3 bucket.

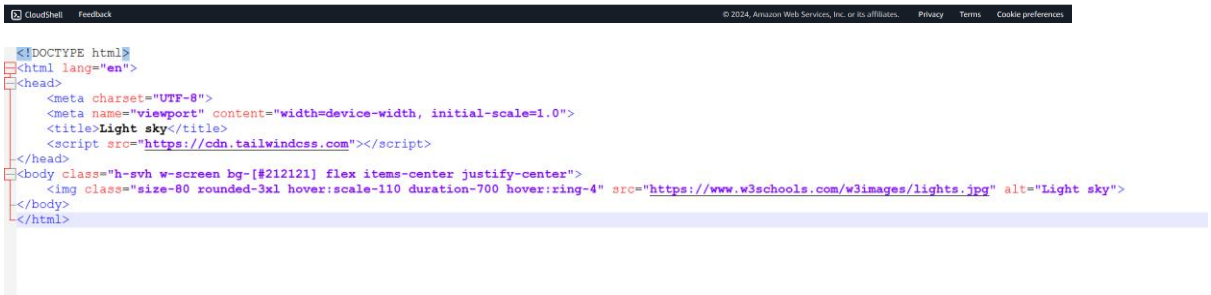


3. Create bucket



4. Navigate to the S3 bucket you just created and upload your index.html file.

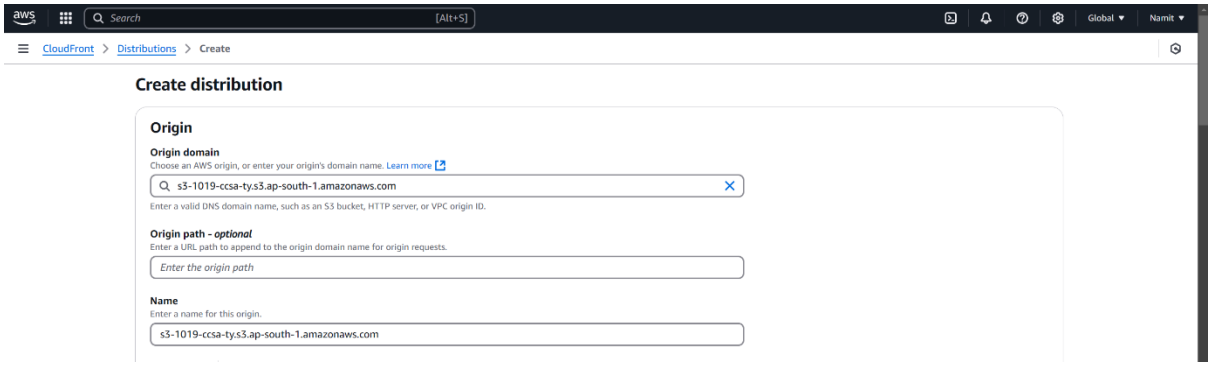




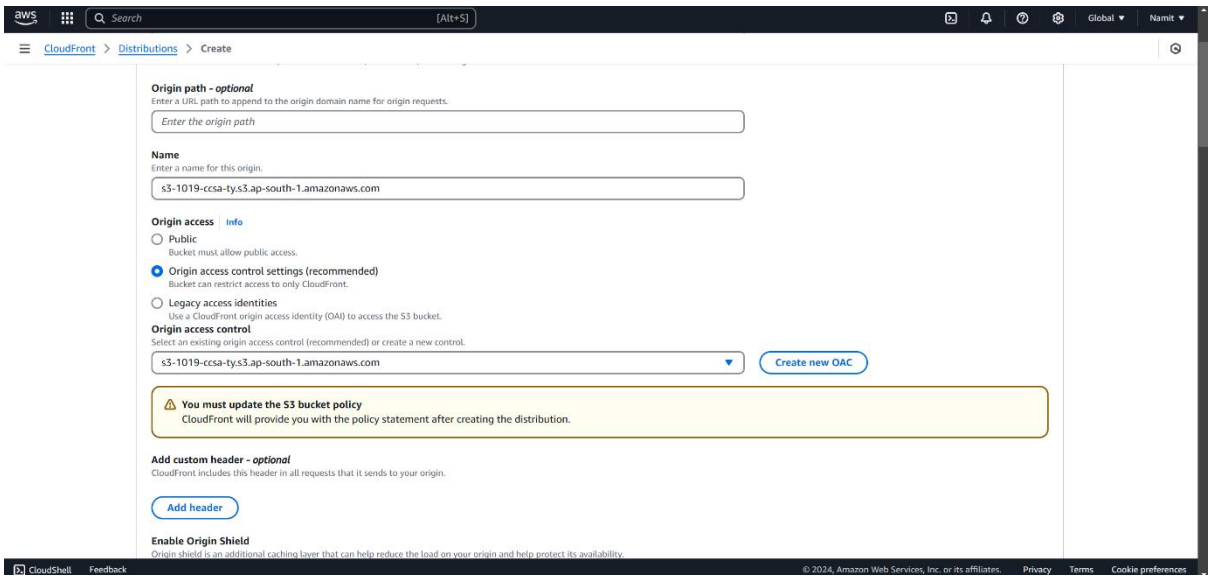
```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Light sky</title>
    <script src="https://cdn.tailwindcss.com"></script>
</head>
<body class="h-svh w-screen bg-[#212121] flex items-center justify-center">
    <img class="size-80 rounded-3xl hover:scale-110 duration-700 hover:ring-4" src="https://www.w3schools.com/w3images/lights.jpg" alt="Light sky">
</body>
</html>
```

2. Set Up CloudFront Distribution

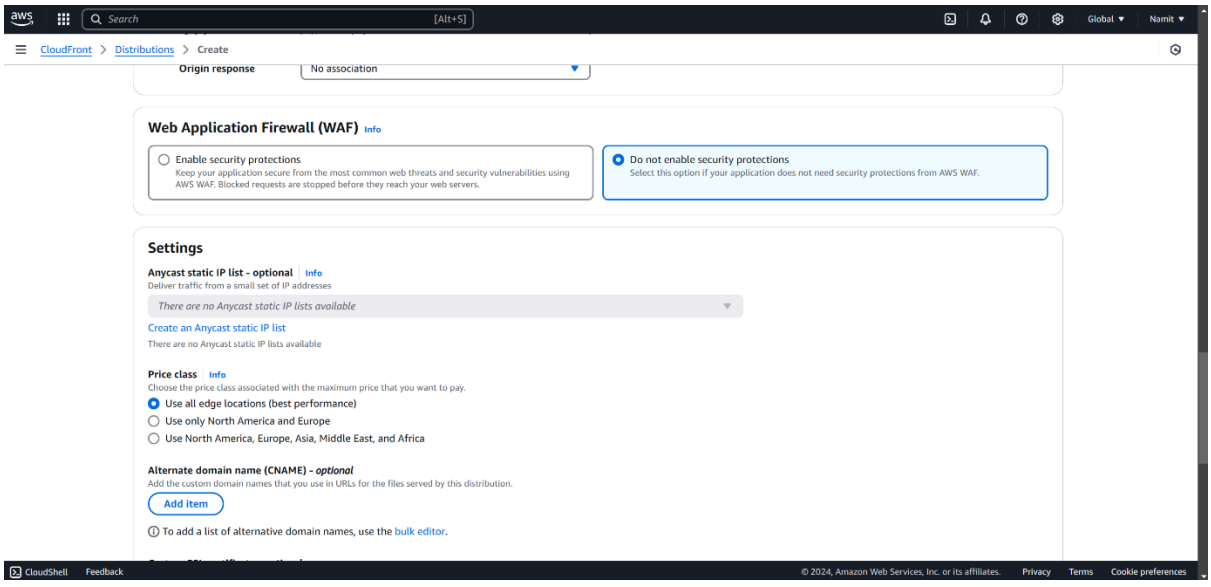
1. Go to the **CloudFront Service** and click on **Create Distribution**.
2. In the **Origin Domain** section, select the S3 bucket you just created.



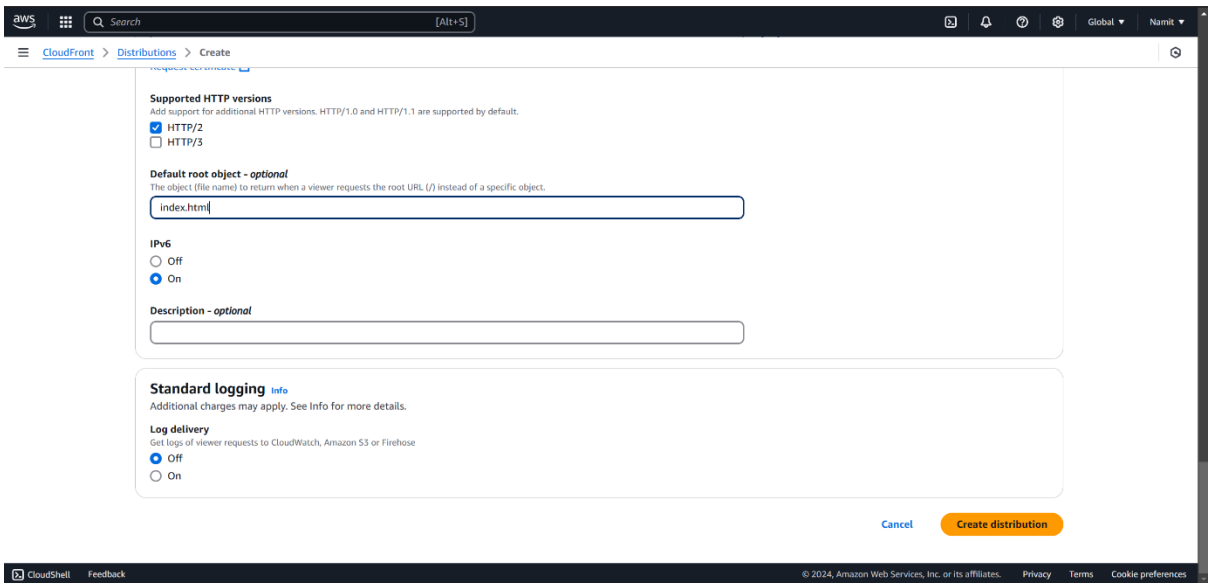
3. In the **Origin Access** section, select the **Origin access control settings** and choose your S3 bucket in the **Origin access control field**.



4. Ignore all other settings and scroll down to the **Web Application Firewall (WAF)** section. Select **Do not enable security protections**.

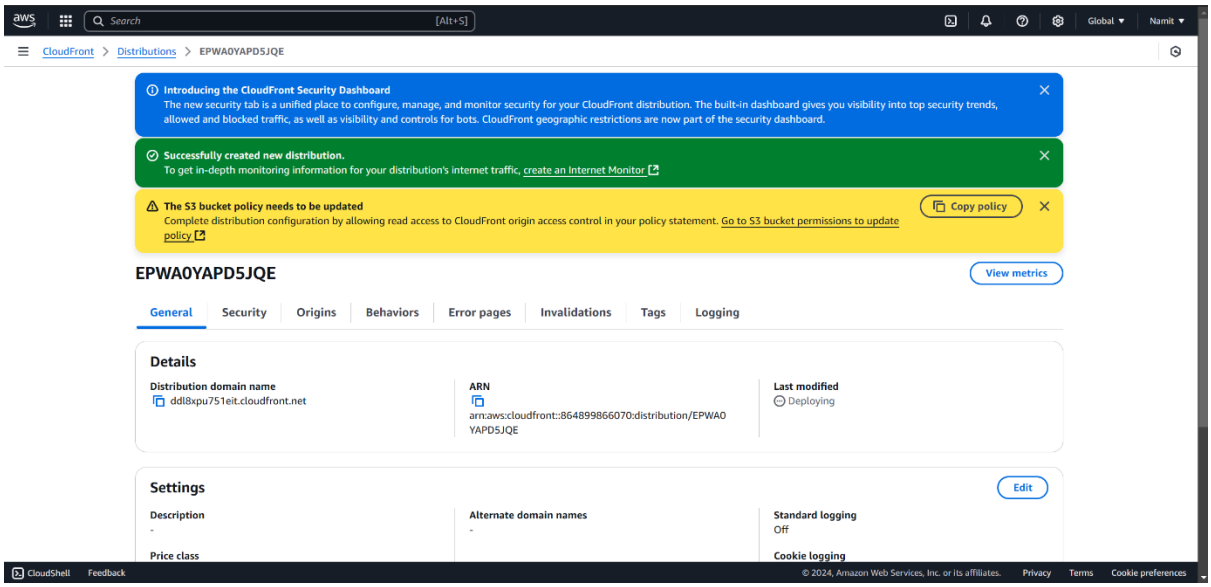


5. In the **Settings** section, locate the **Default Root Object** field. Enter the name of the file you uploaded to the S3 bucket



6. Click on **Create Distribution**.

7. After the distribution is created, click on the **Copy Policy** button.

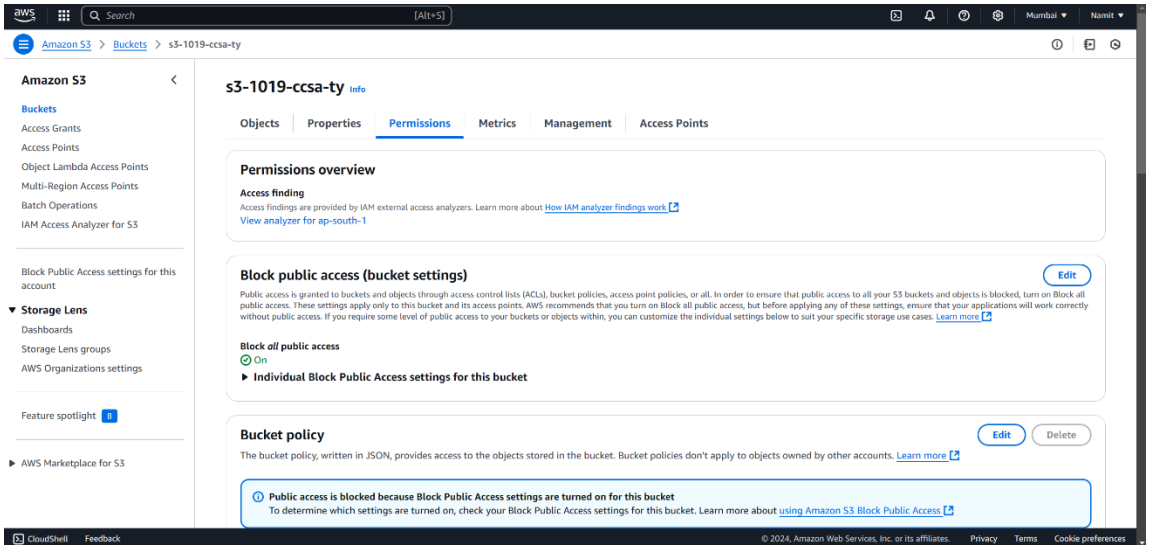


Name of the Student: Namit Agarwal **PRN:** 20220801019

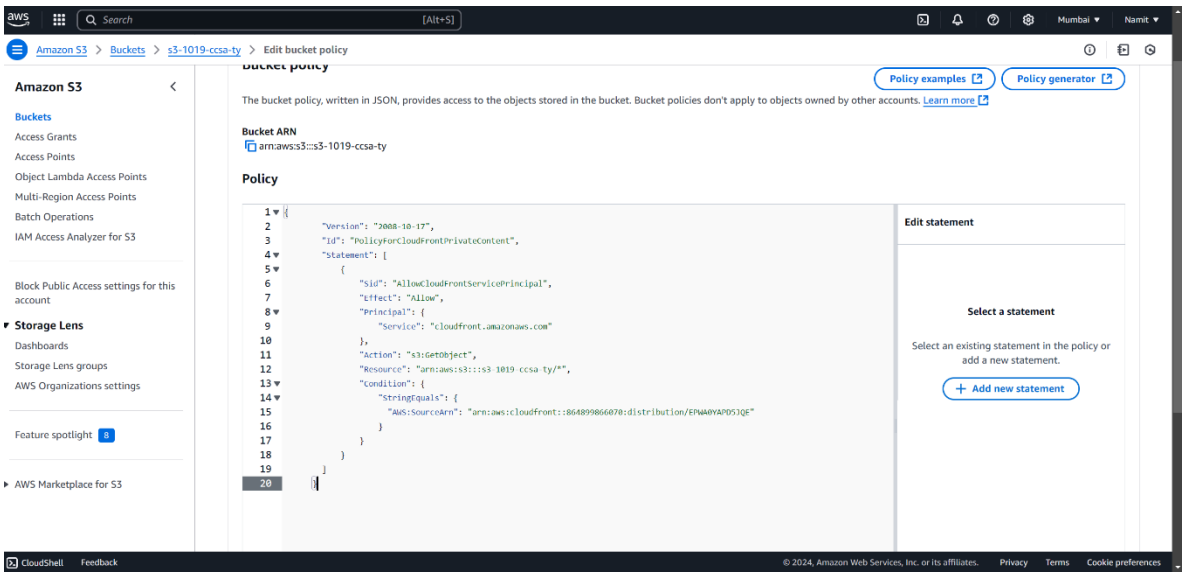
Title of Practical: Securely access S3 images using Amazon Cloud Front

3. Update S3 Bucket Policy

1. Go back to your S3 bucket.
2. Navigate to the **Permissions** tab.

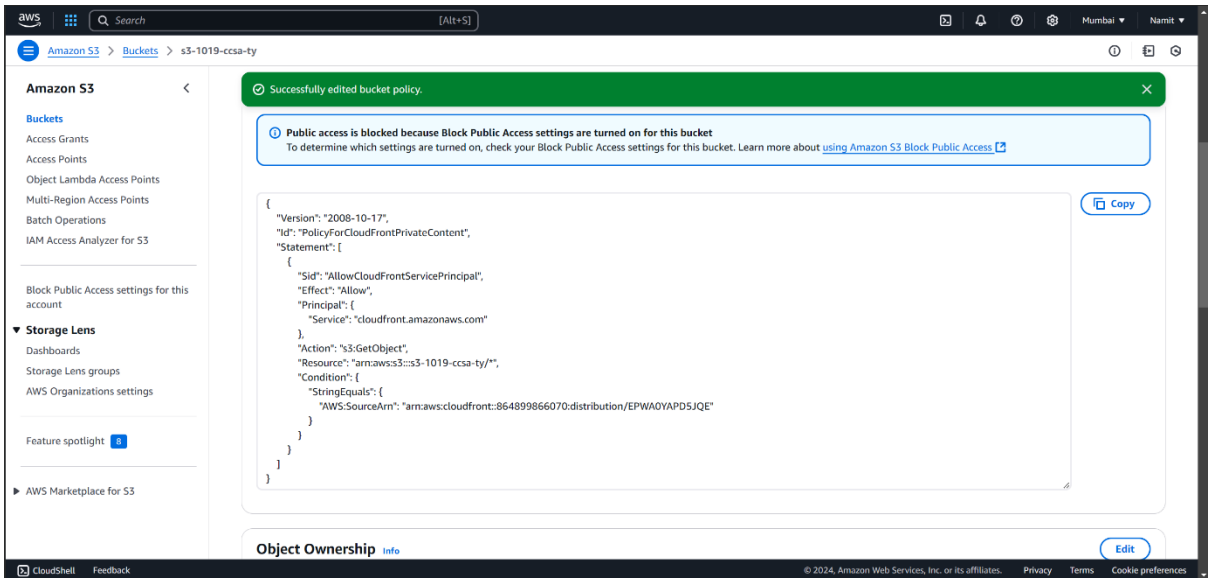


3. Scroll down to the **Bucket Policy** section and click on the **Edit** button.
4. Paste the bucket policy you copied earlier from CloudFront.



Name of the Student: Namit Agarwal **PRN:** 20220801019

Title of Practical: Securely access S3 images using Amazon Cloud Front



4. Test the Configuration

1. Go back to your CloudFront distribution and copy the **Distribution Domain Name**.