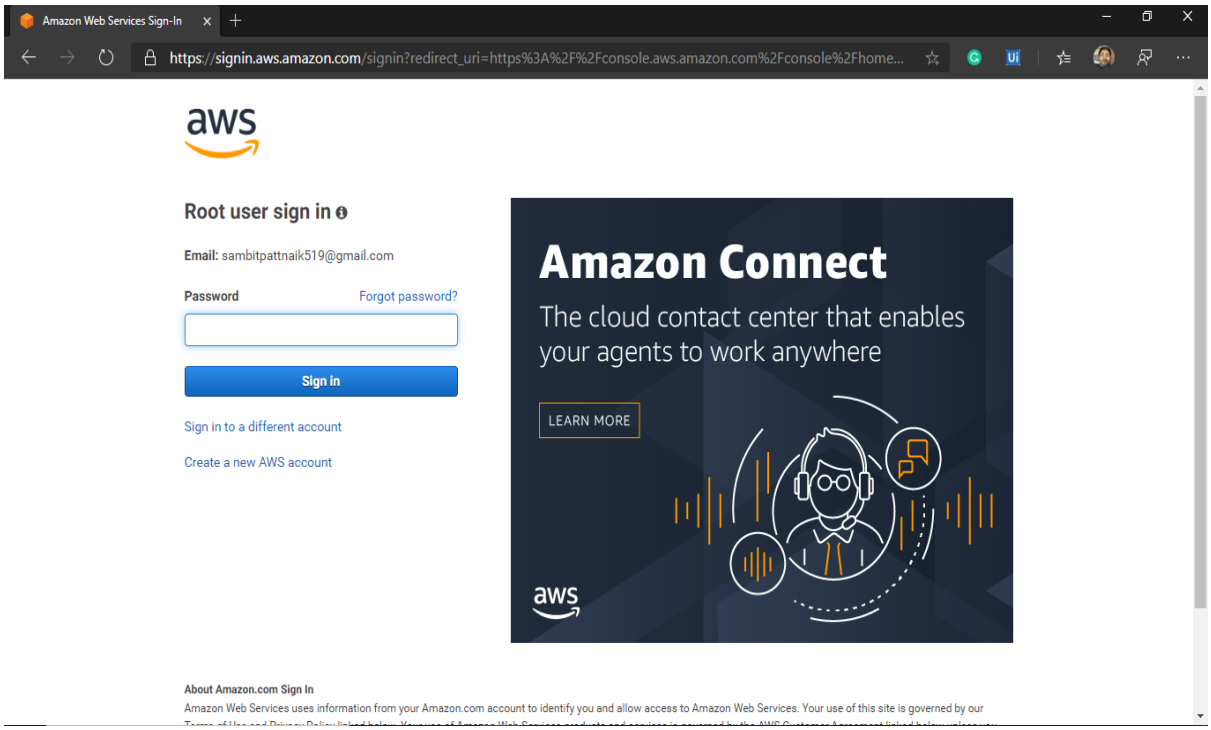
BUILD FACE DETECTION APP ON AWS

- **The Projects uses the following services from AWS:-**
  1.Elastic Cloud Compute (EC2)
  2.Simple Storage Service (S3)
  3.Rekognition

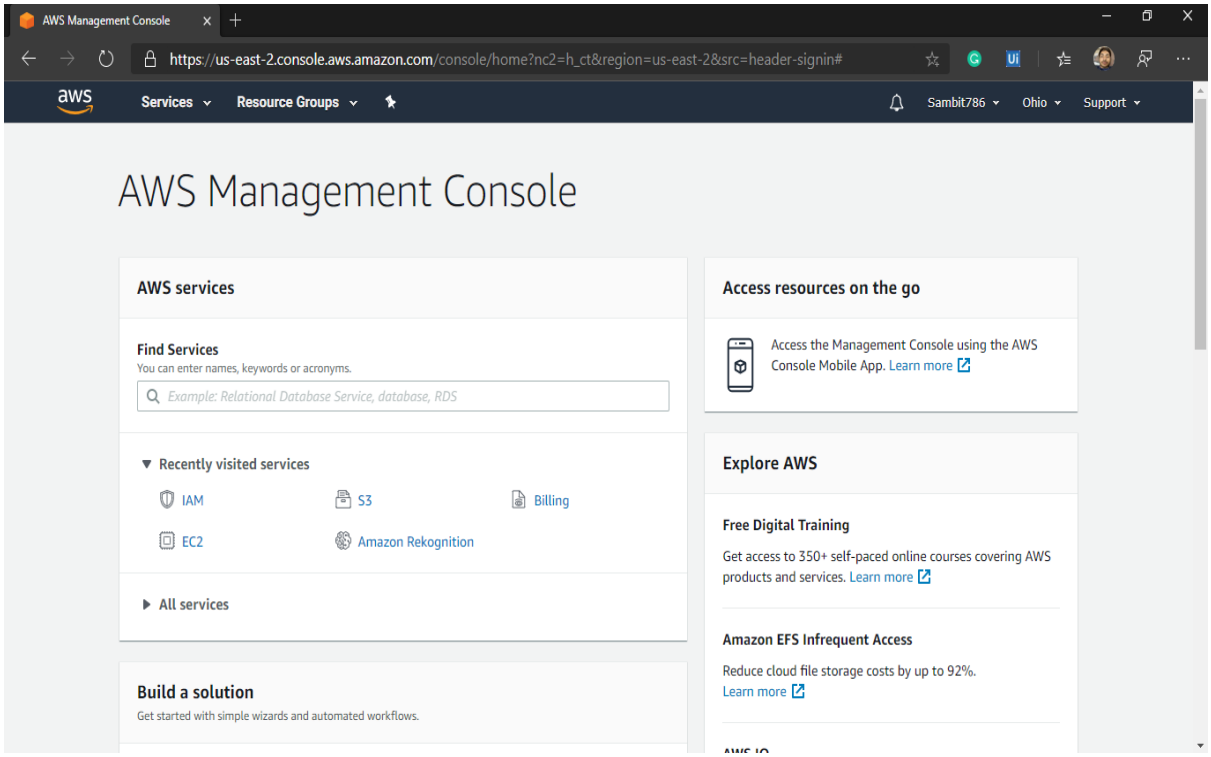
- **User Service:**
  1. Telegram

SCREENSHOTS FOR THE PROCESSES INVOLVED:-

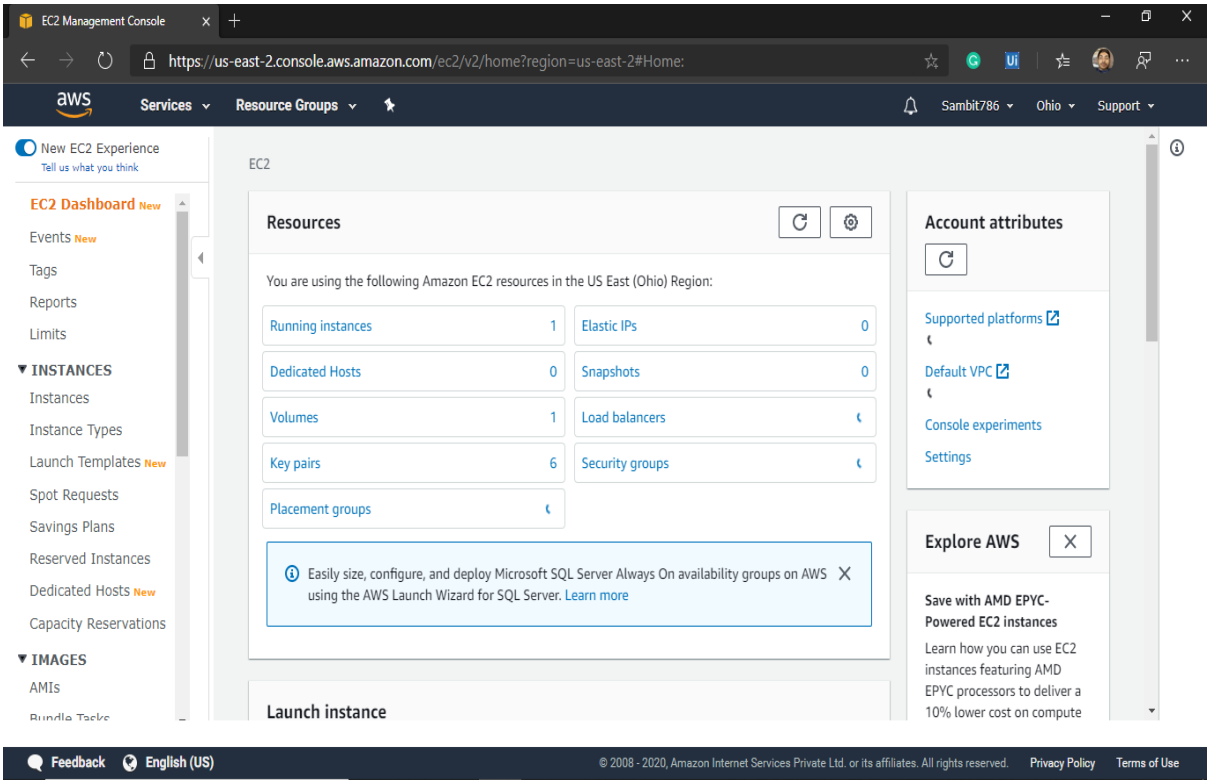
- **AWS LOGIN SCREEN WITH USERNAME:-**



BUILD FACE DETECTION APP ON AWS

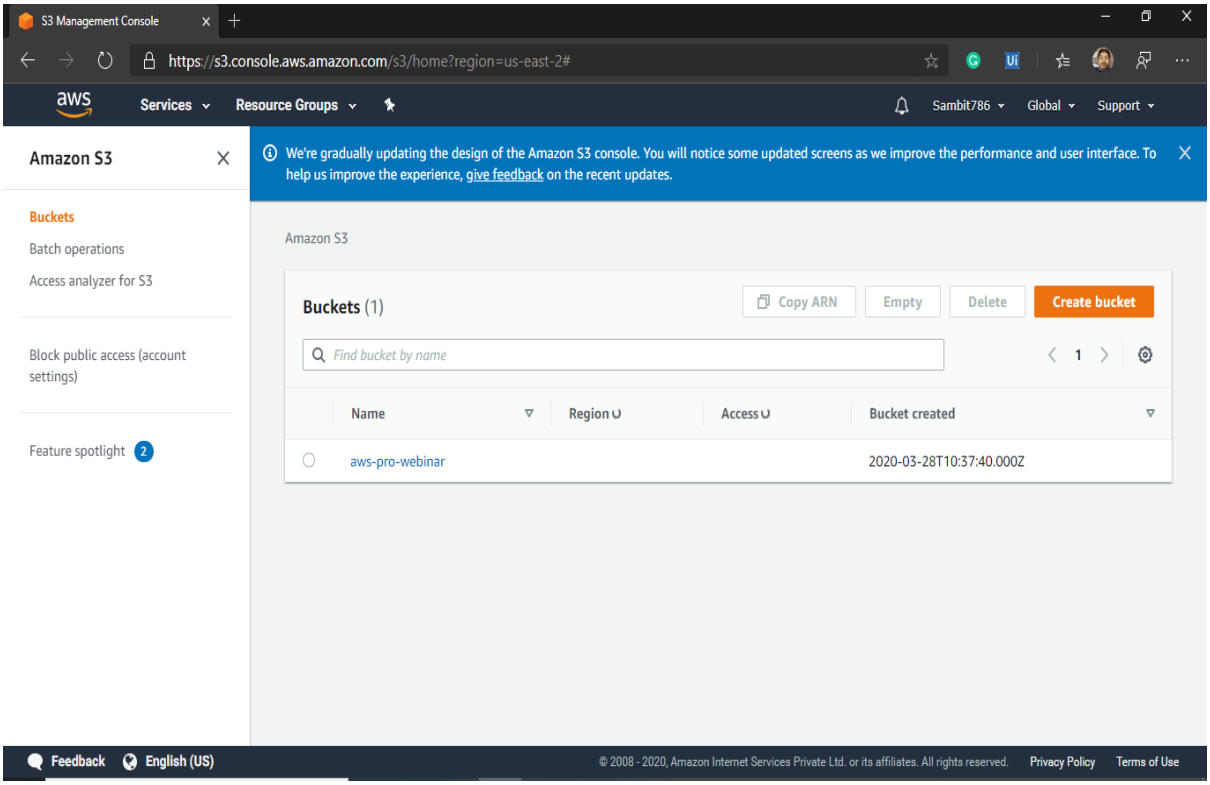


- **EC2 DASHBOARD:-**

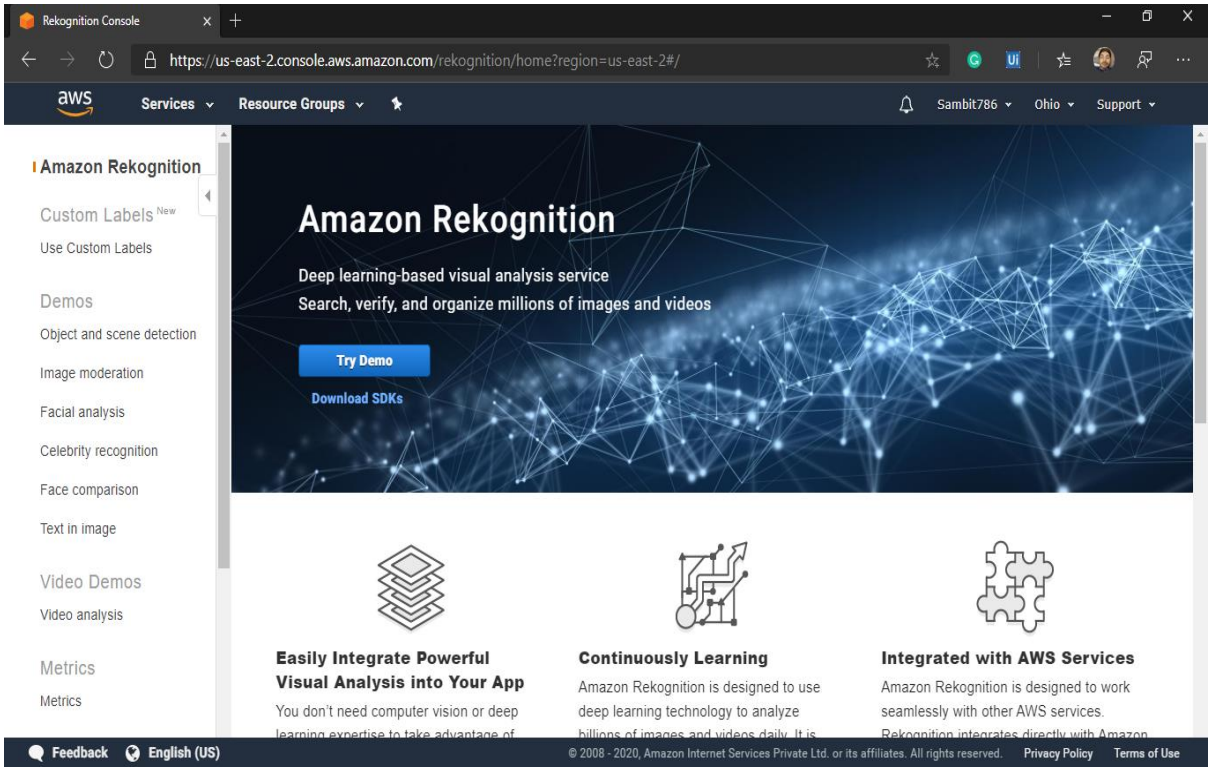


BUILD FACE DETECTION APP ON AWS

- **S3 DASHBOARD:-**



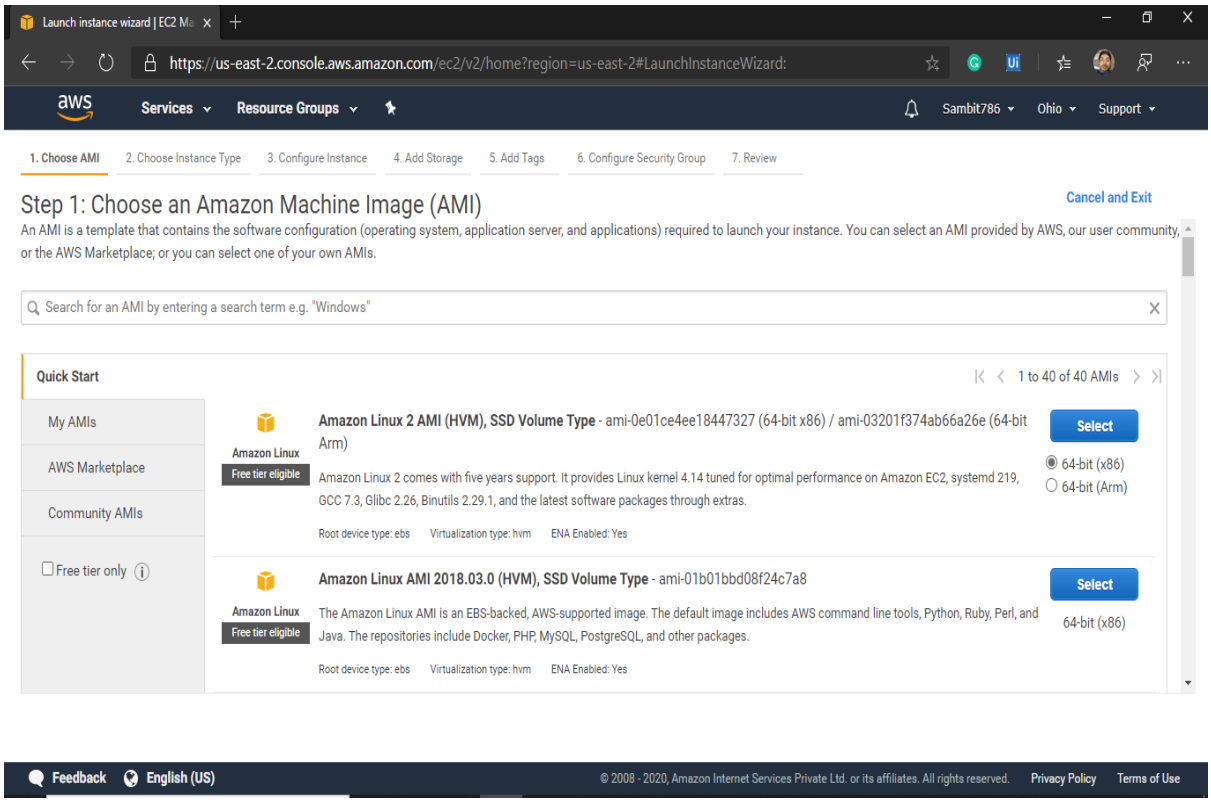
- **REKOGNITION DASHBOARD:-**



BUILD FACE DETECTION APP ON AWS

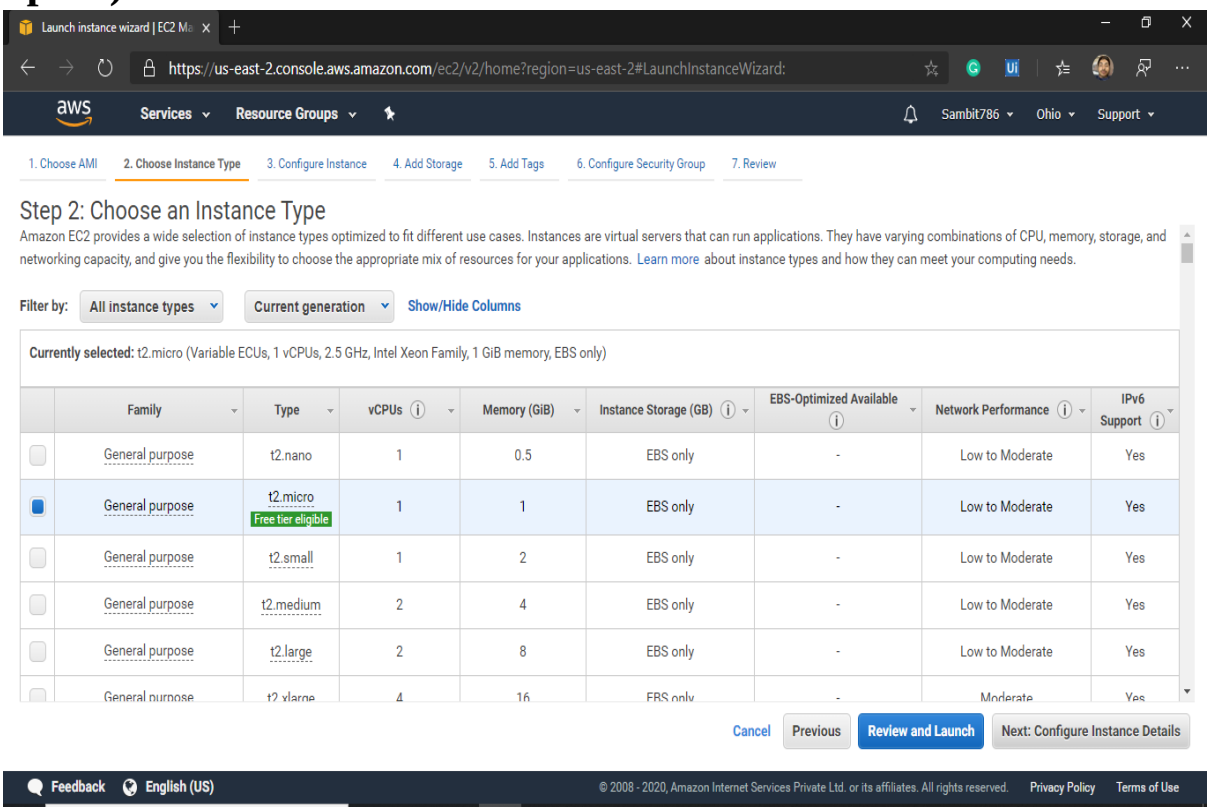
STEPS INVOLVED IN CREATING INSTANCES AND CONNECTING TO APACHE SERVER USING EC2:-

- **AMAZON MACHINE IMAGE (VIRTUAL O.S.):-**

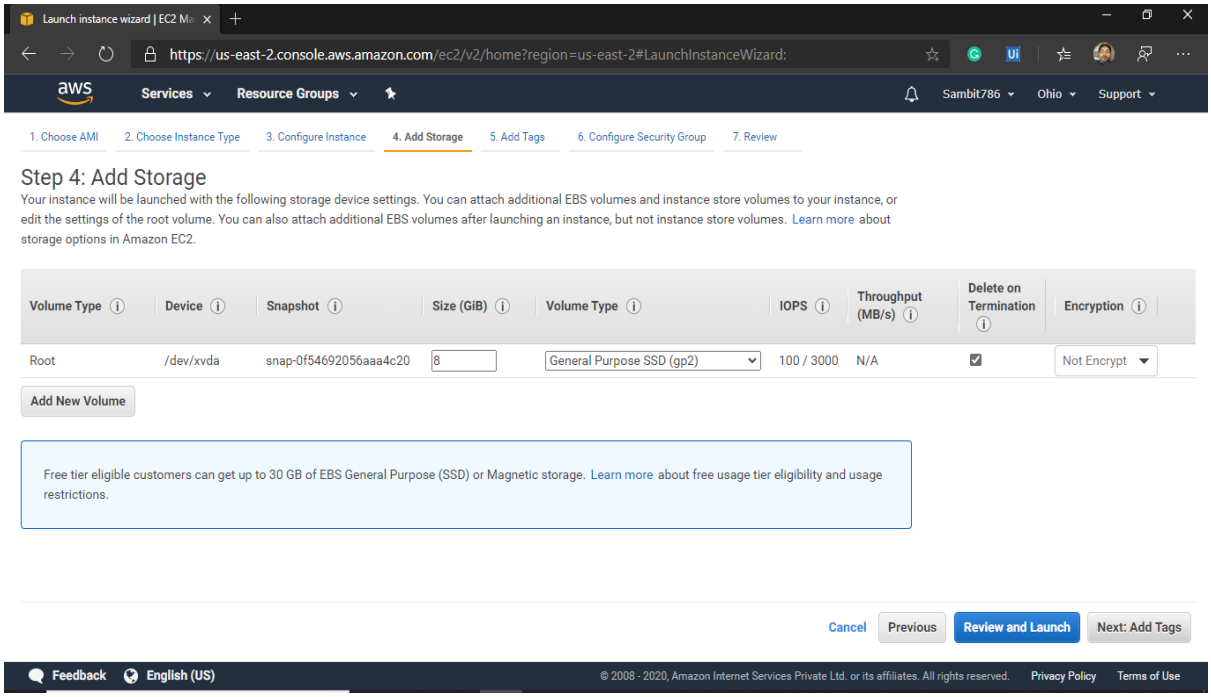


BUILD FACE DETECTION APP ON AWS

- **INSTANCE TYPE (USAGE OF no. of CPUs and Memory Space):-**

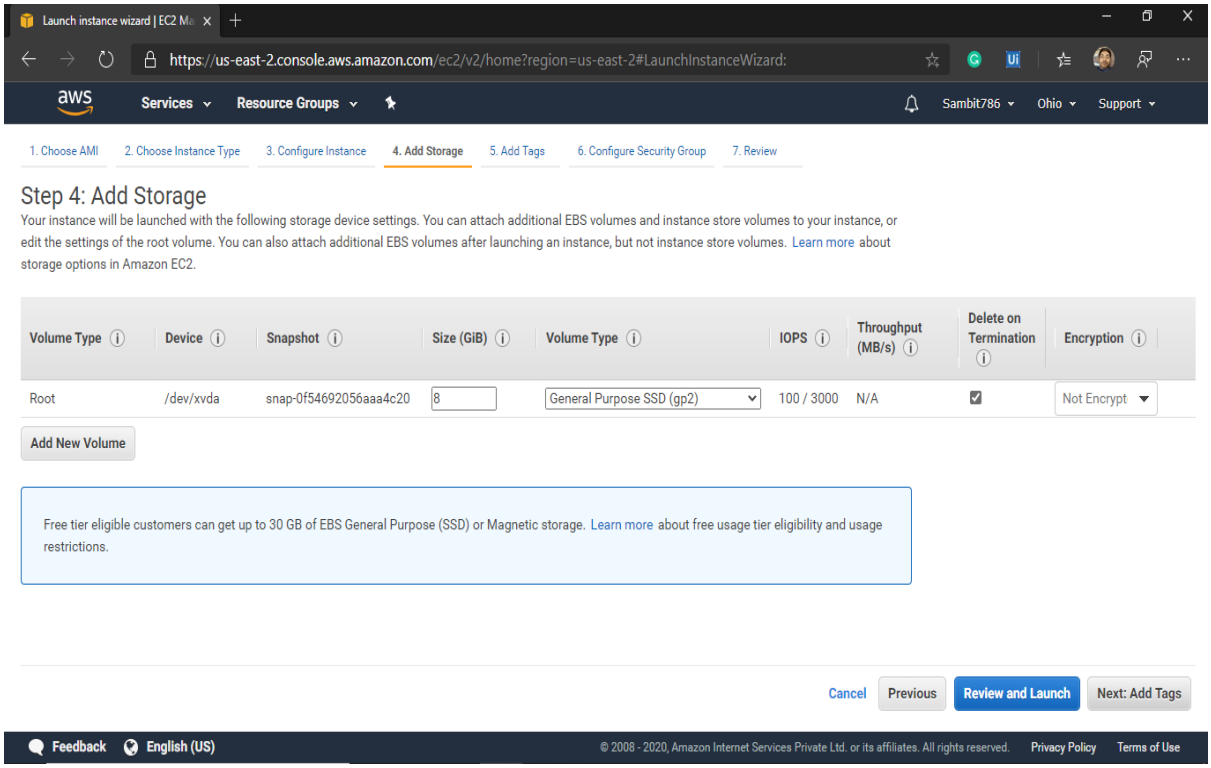


- **ADD STORAGE TO VIRTUAL MACHINE:-**

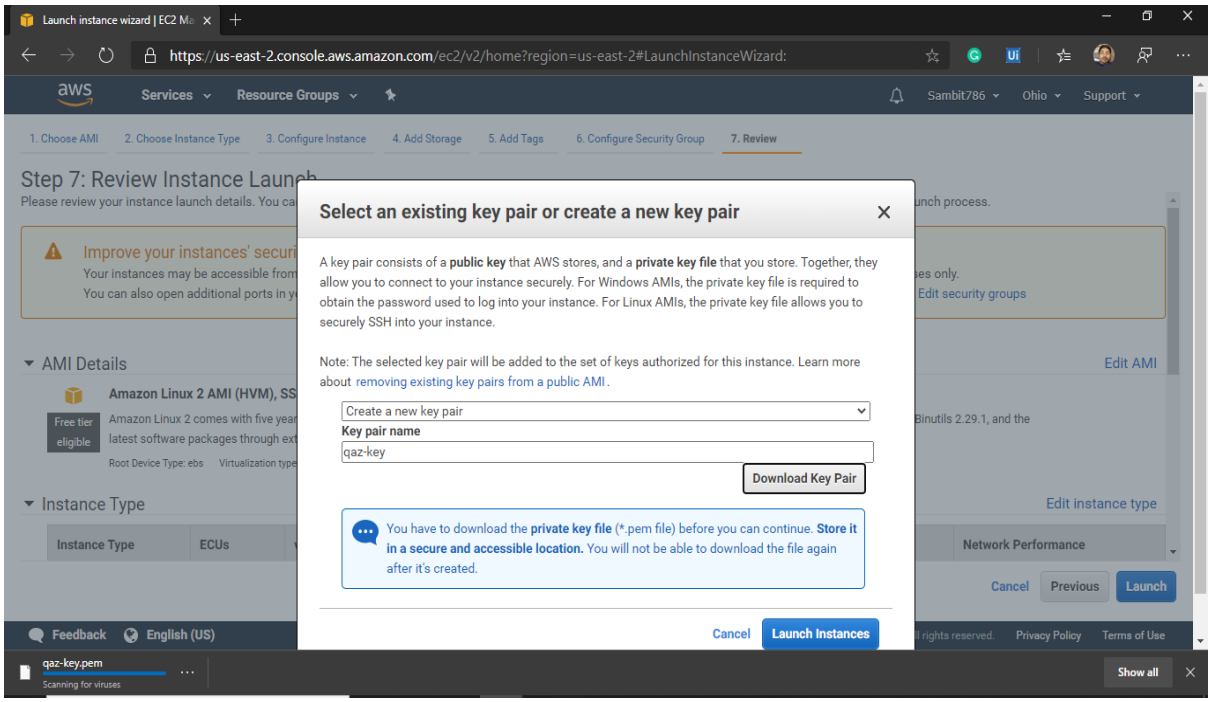


BUILD FACE DETECTION APP ON AWS

- **Configuring Security Groups:-**

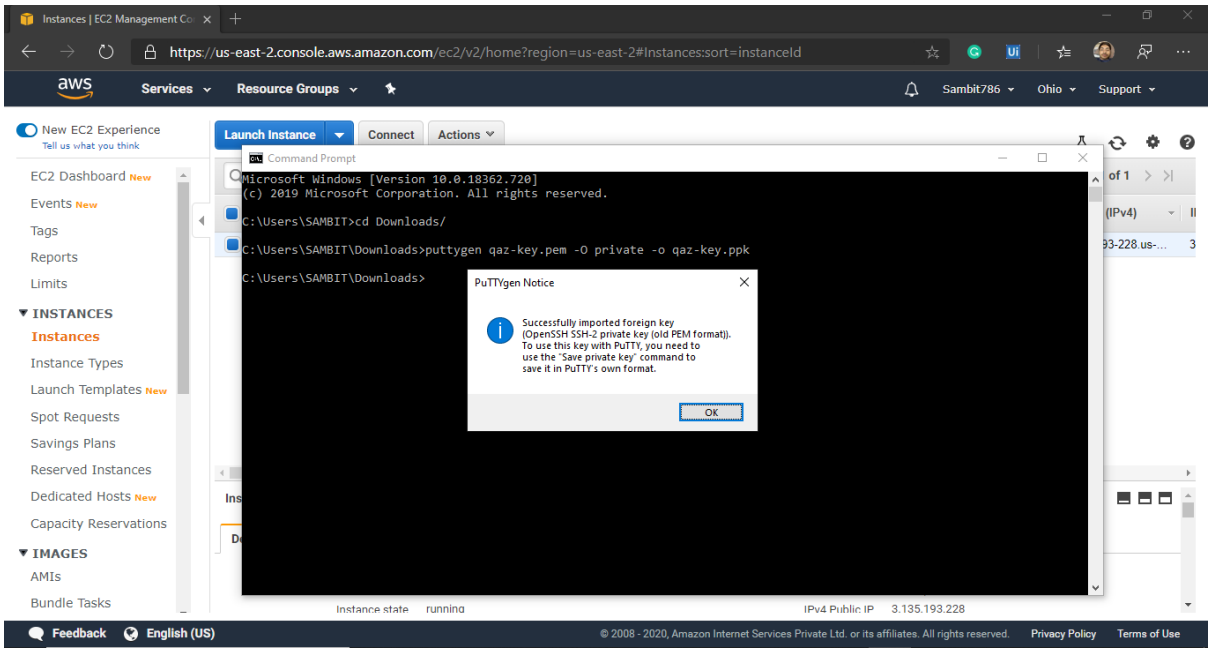


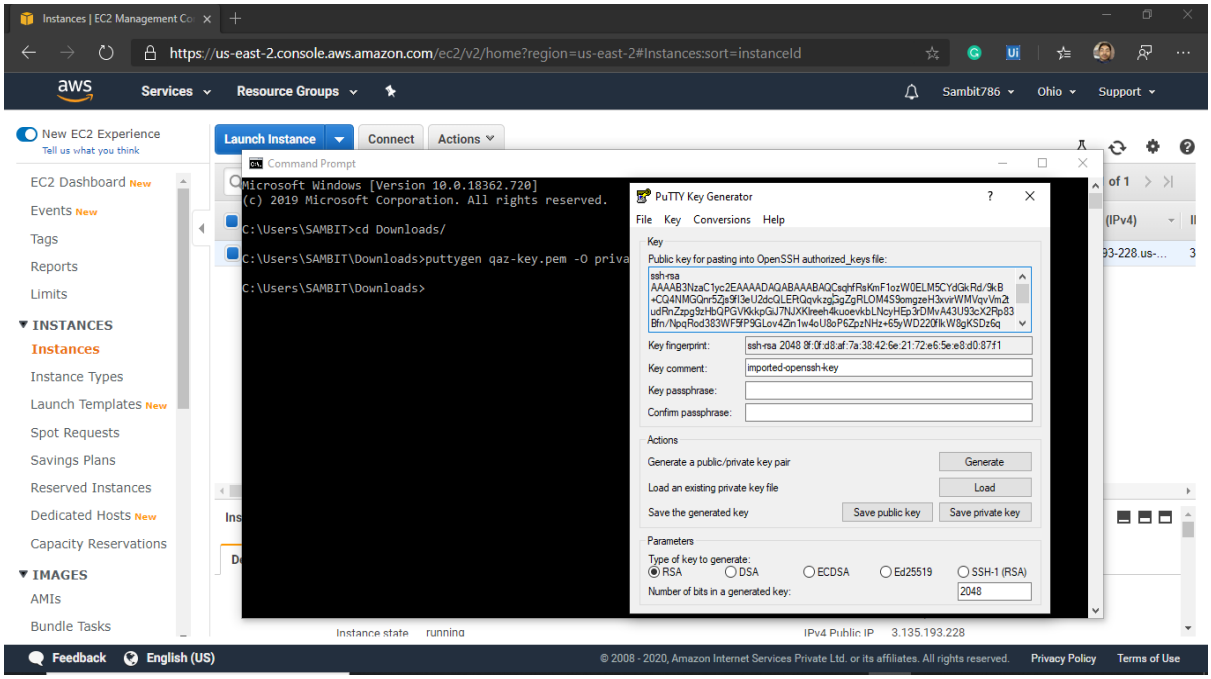
- **KEY-PAIR DOWNLOAD:-**



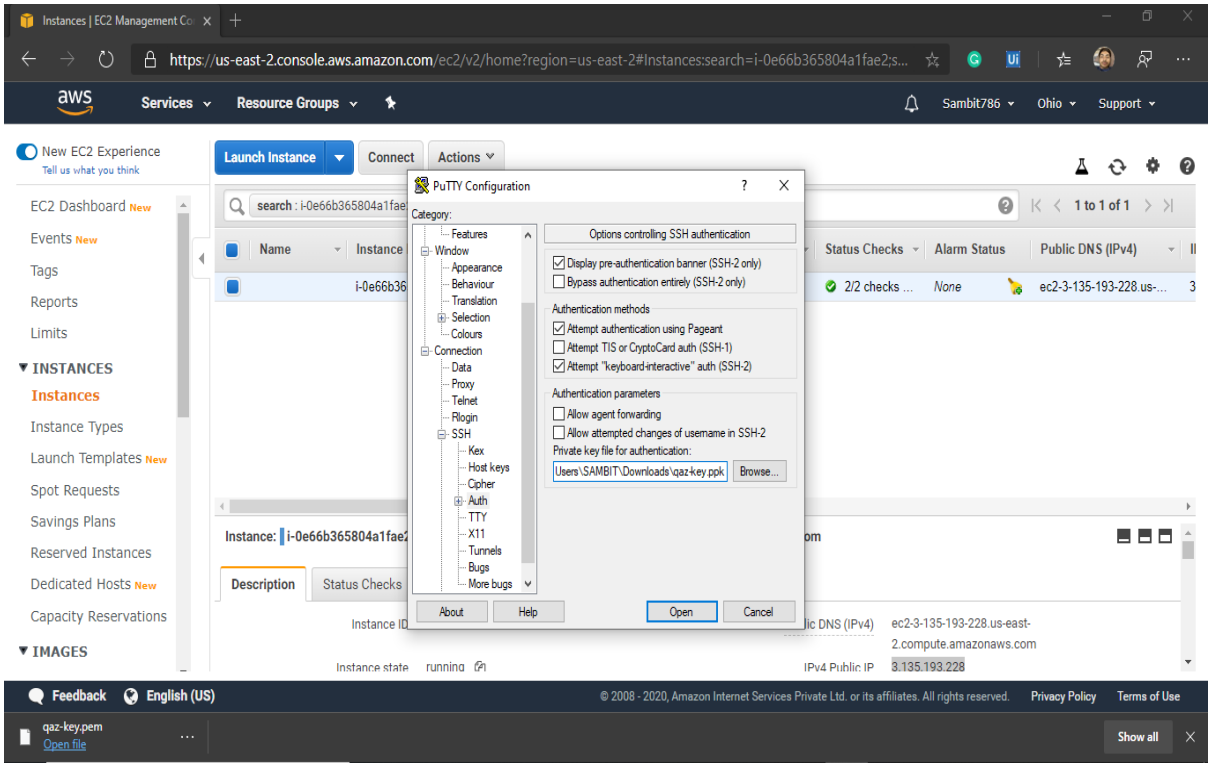
BUILD FACE DETECTION APP ON AWS

- **PUTTYGEN CONVERSION FROM .pem to .ppk:-**

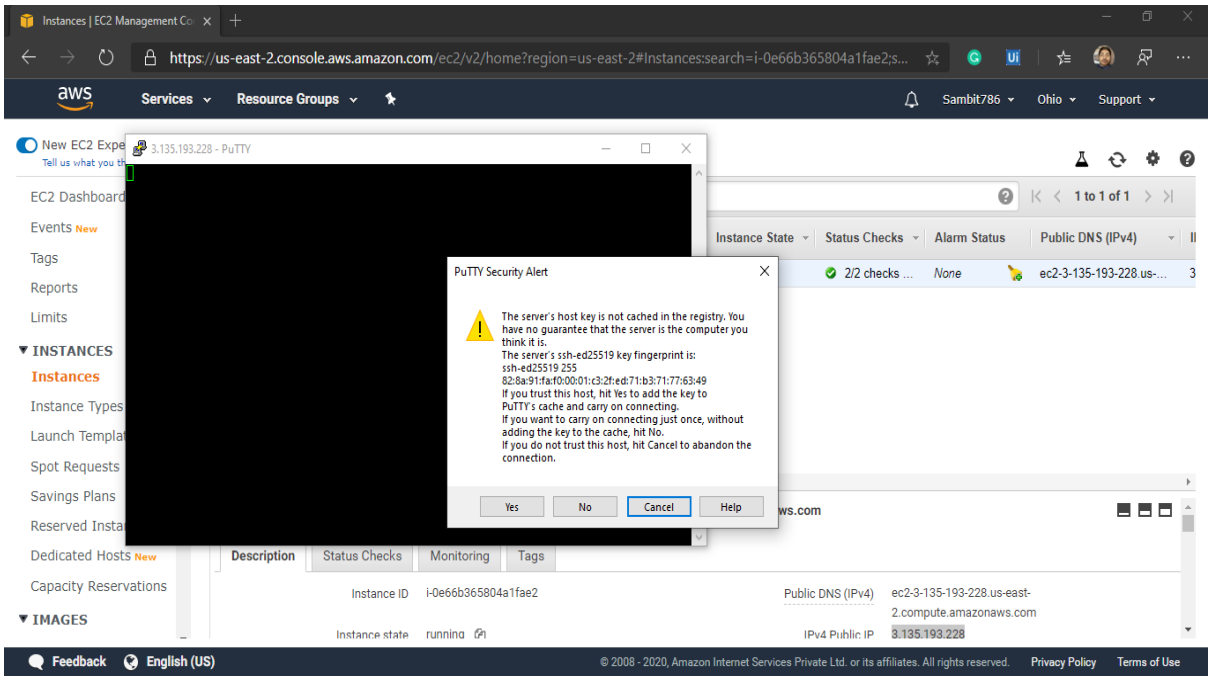




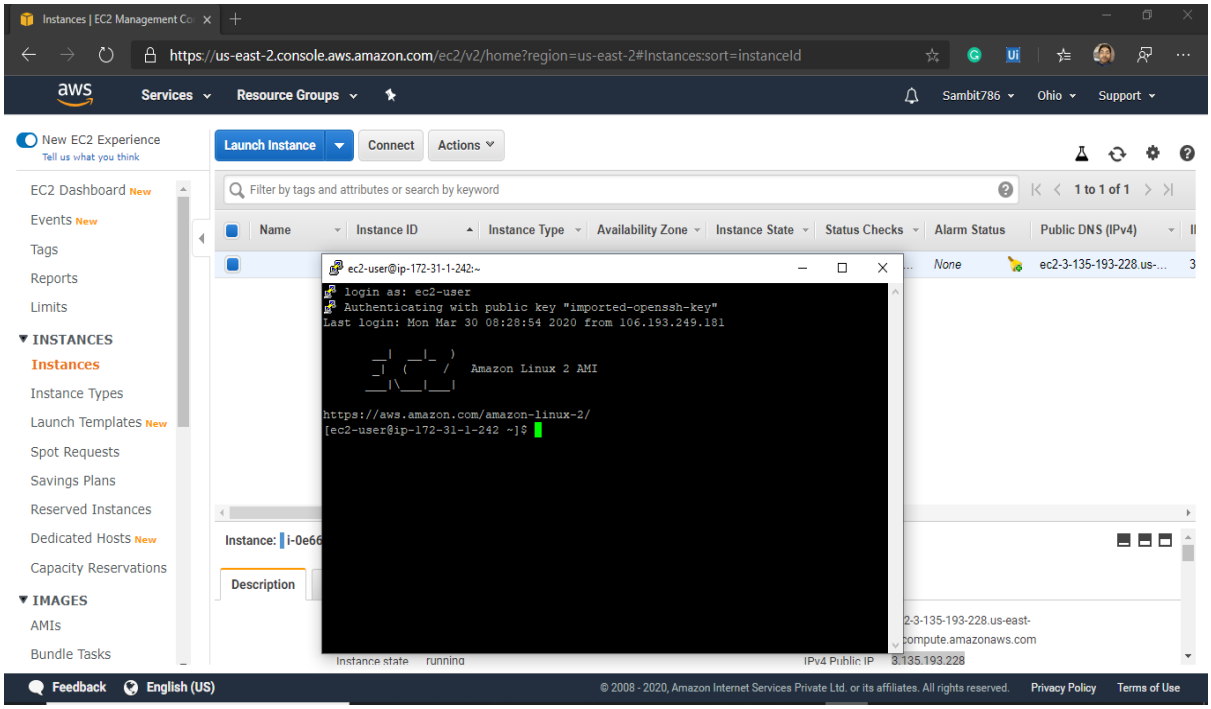
BUILD FACE DETECTION APP ON AWS



- **LOGGED IN EC2 BLACK PUTTY SOFTWARE SCREEN:-**



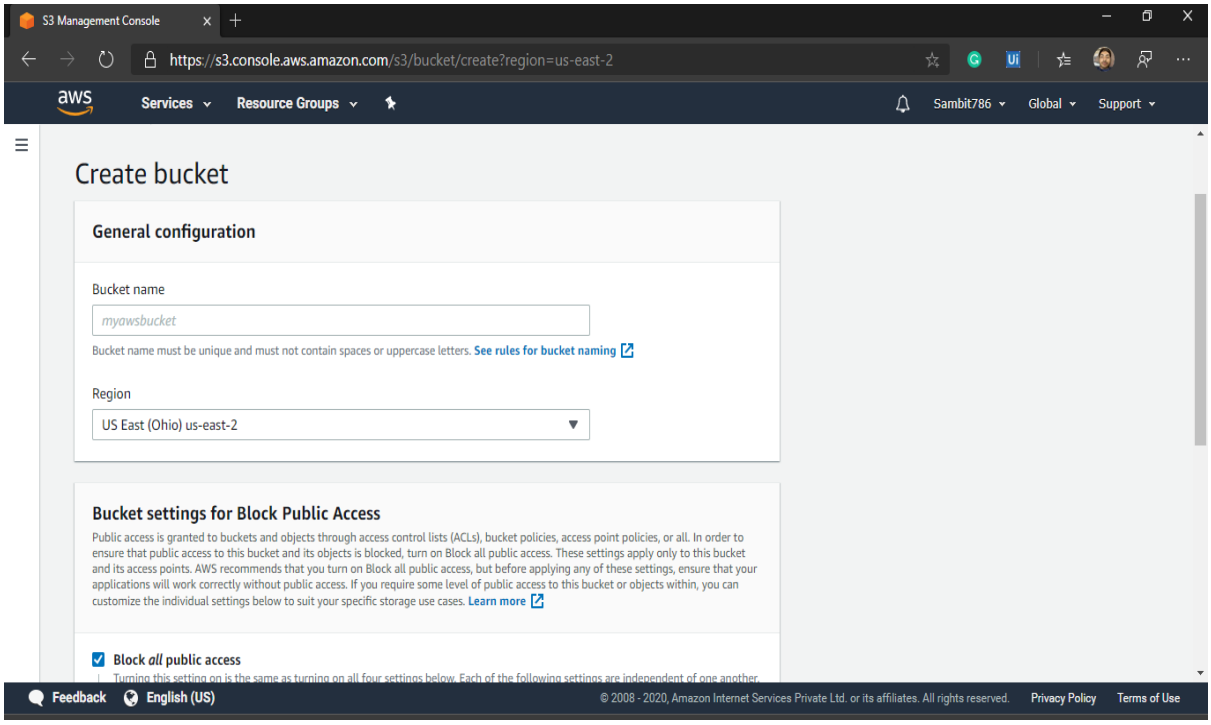
BUILD FACE DETECTION APP ON AWS

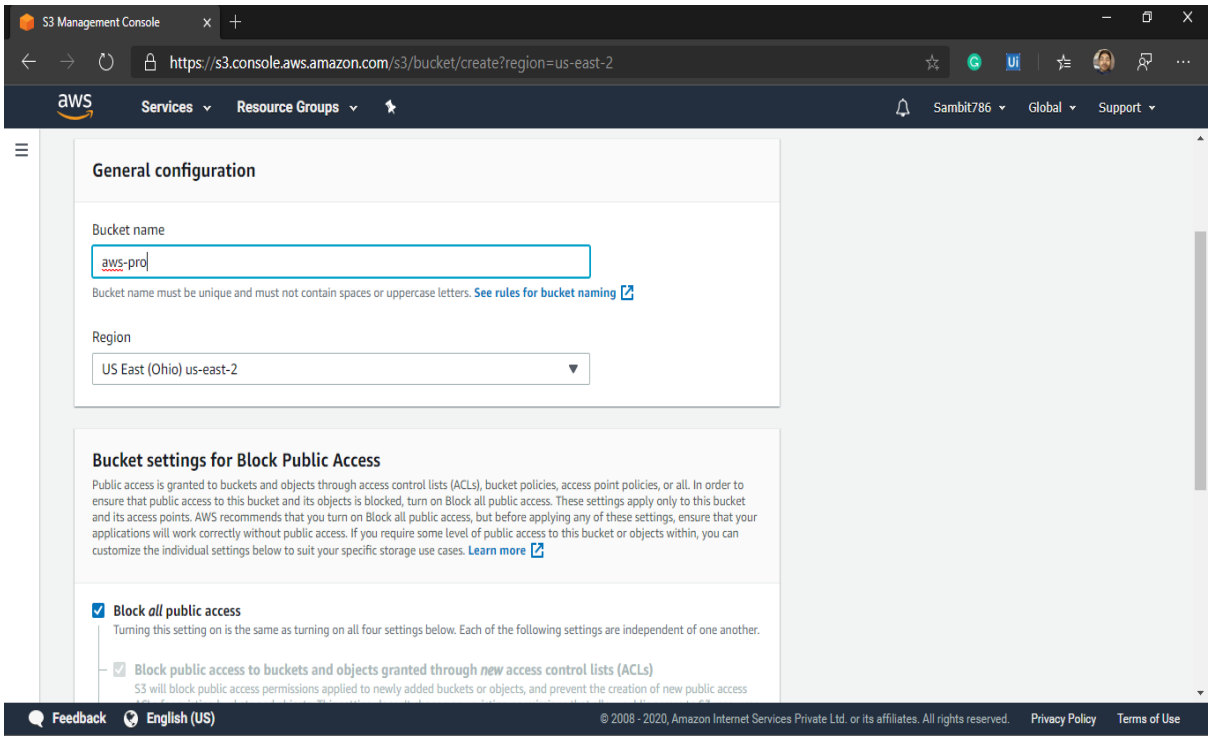


BUILD FACE DETECTION APP ON AWS

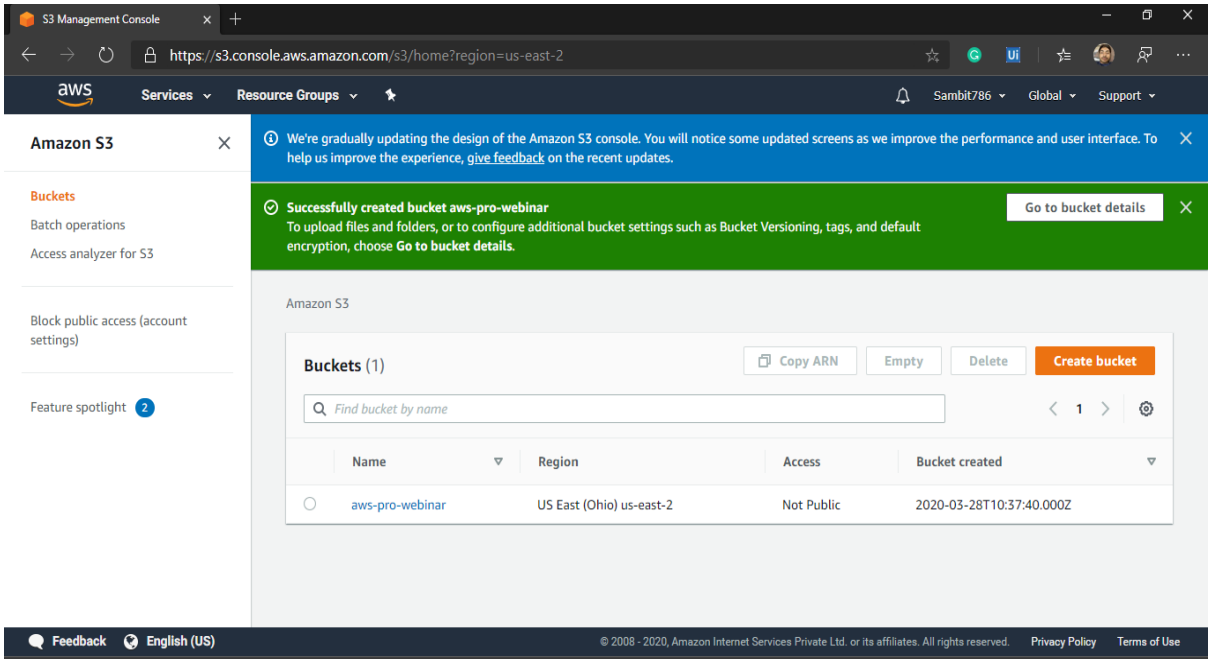
STEPS INVOLVED IN TASKING S3 AND ITS BUCKETS:-

- **CREATING A BUCKET:-**

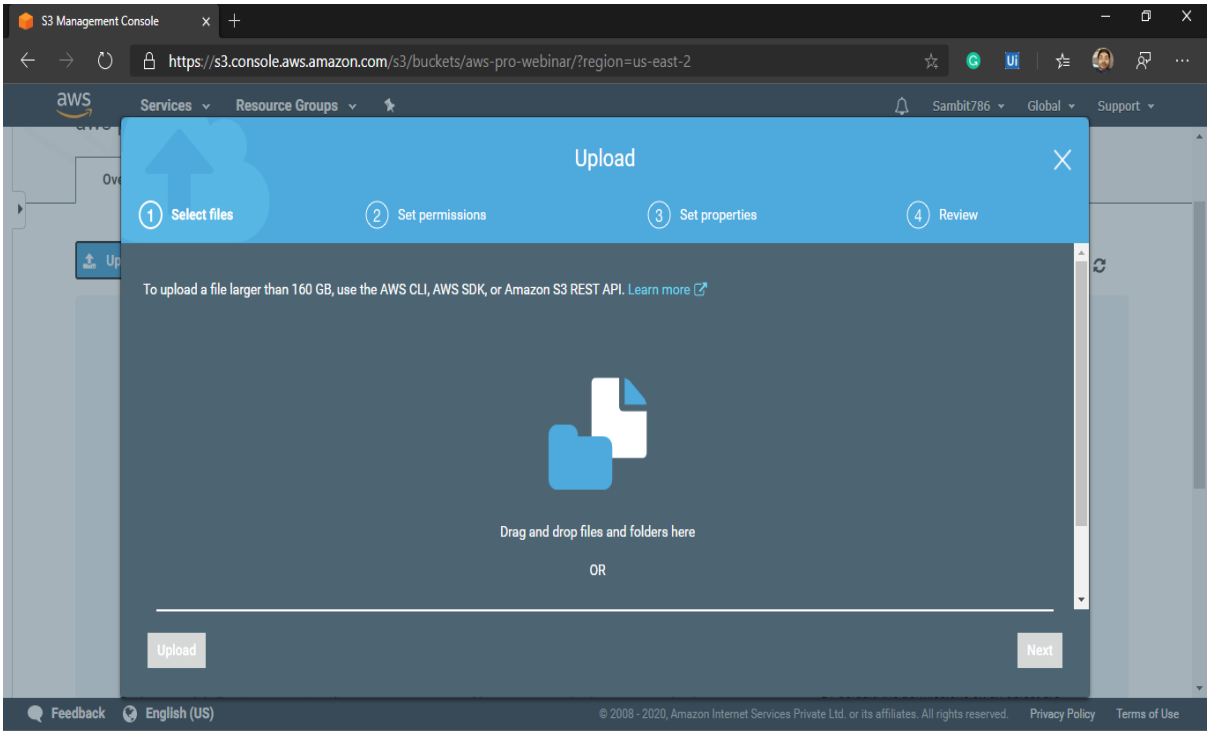




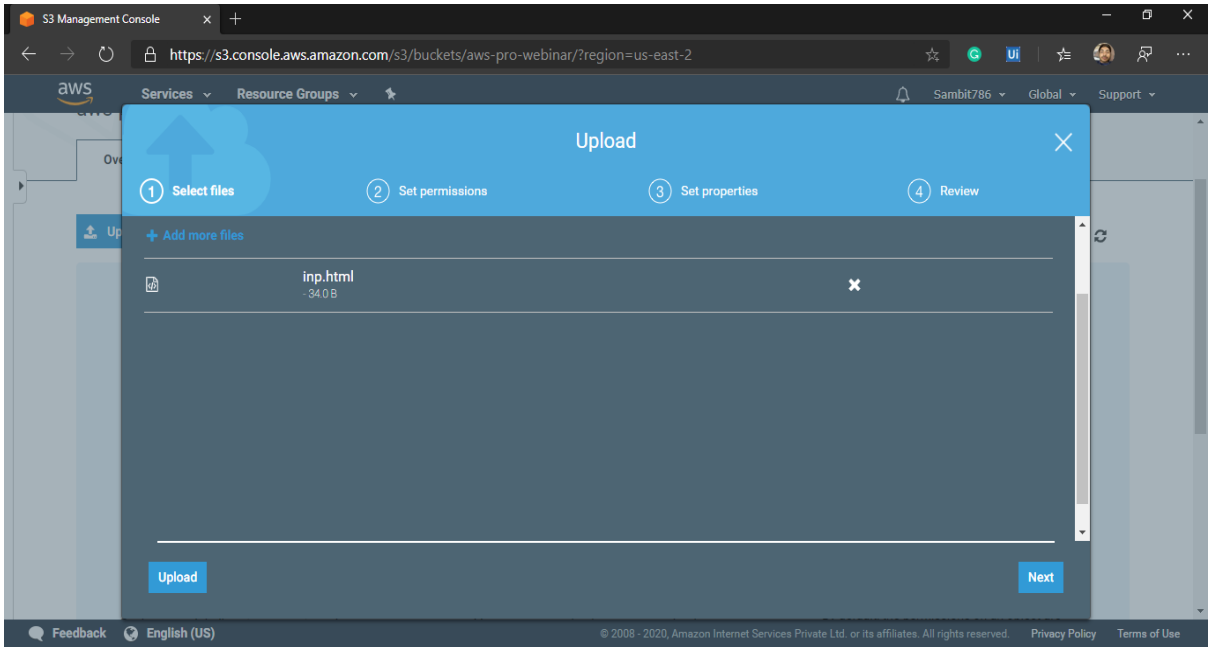
BUILD FACE DETECTION APP ON AWS

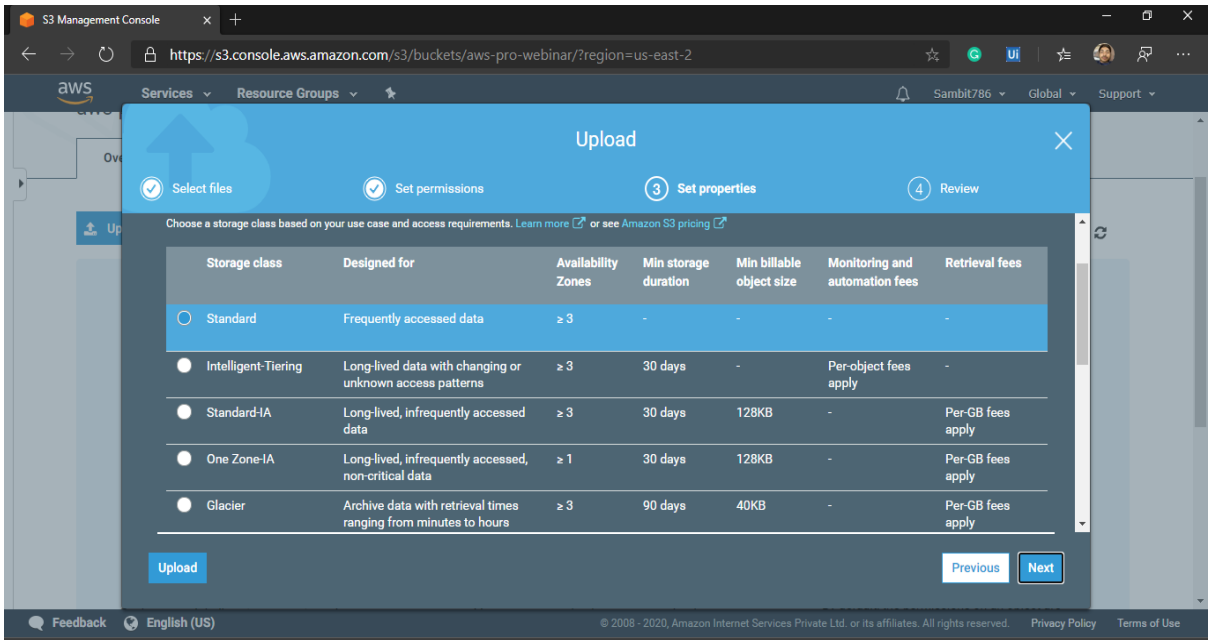


- **UPLOADING AN OBJECT INTO THE BUCKET:-**

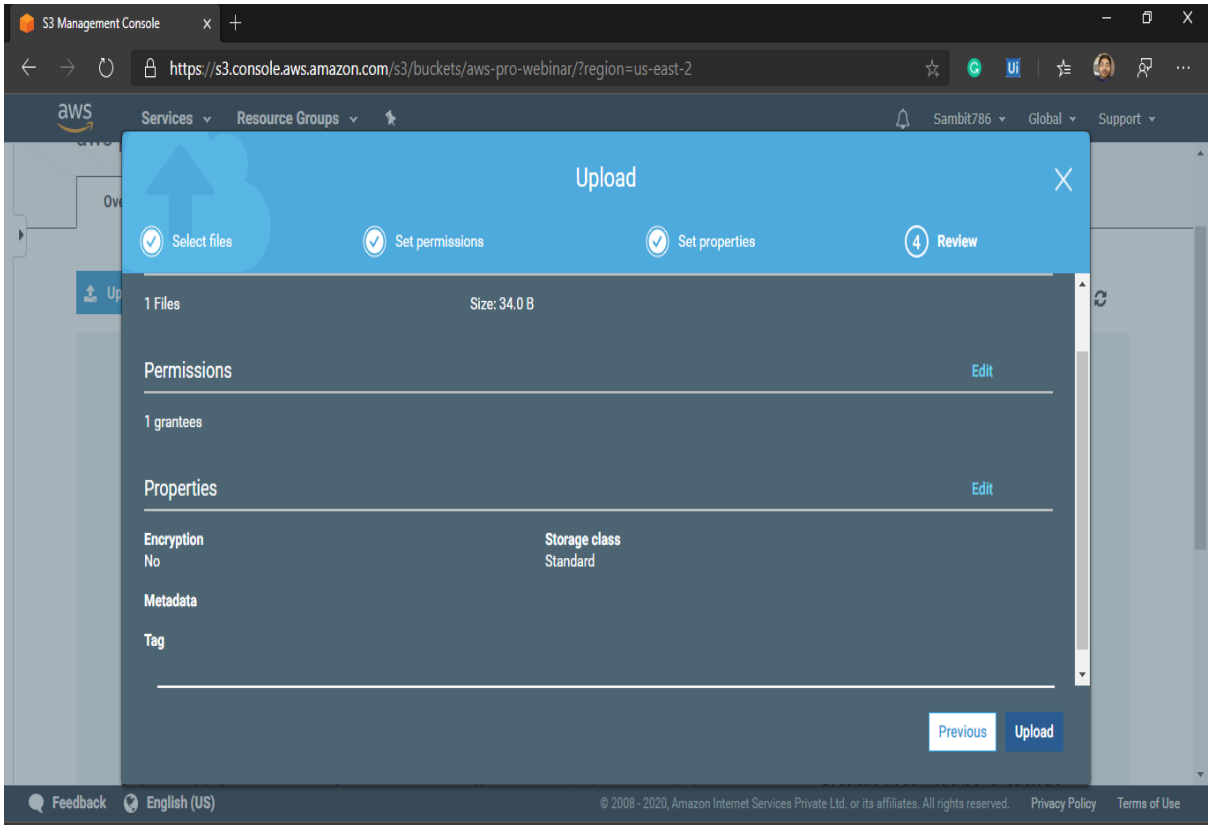


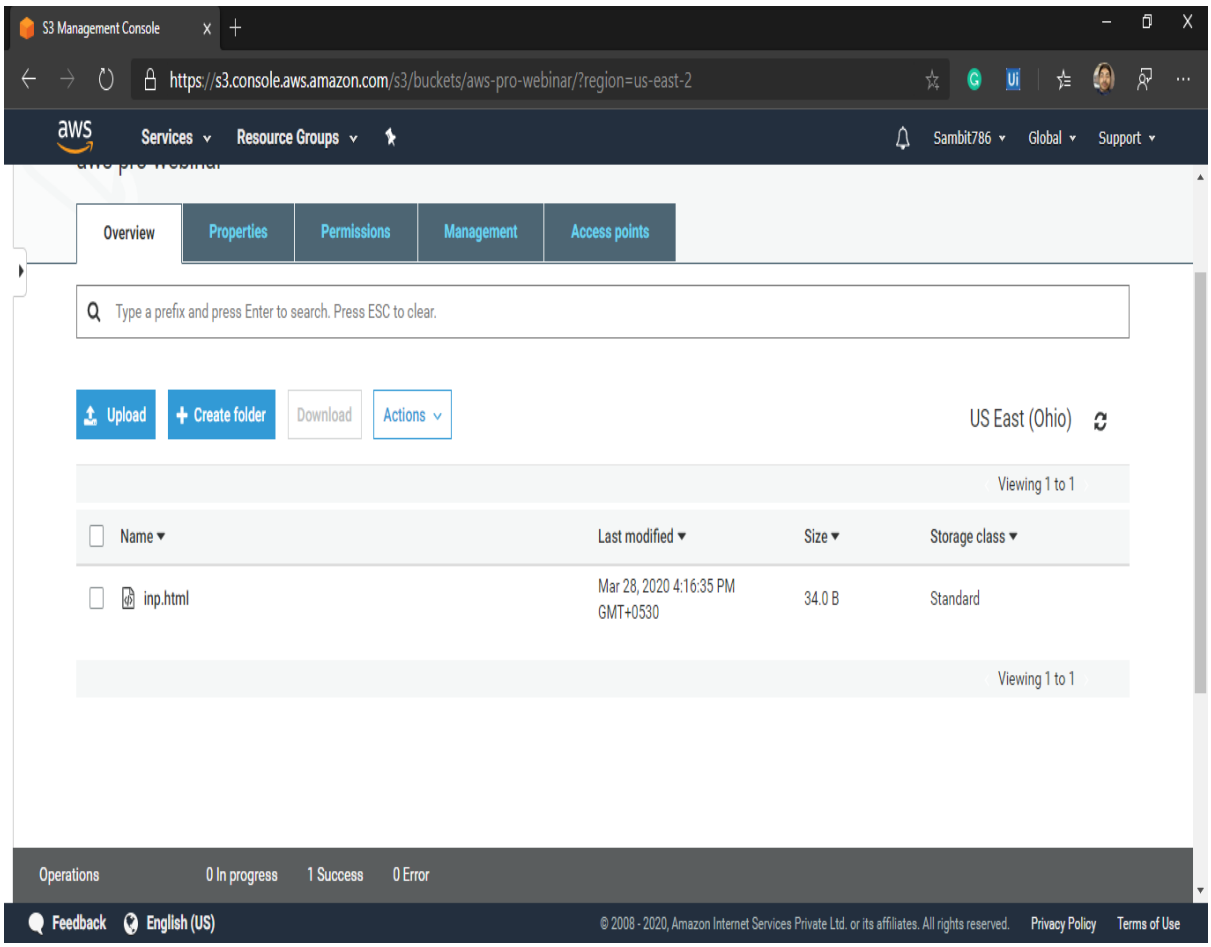
BUILD FACE DETECTION APP ON AWS





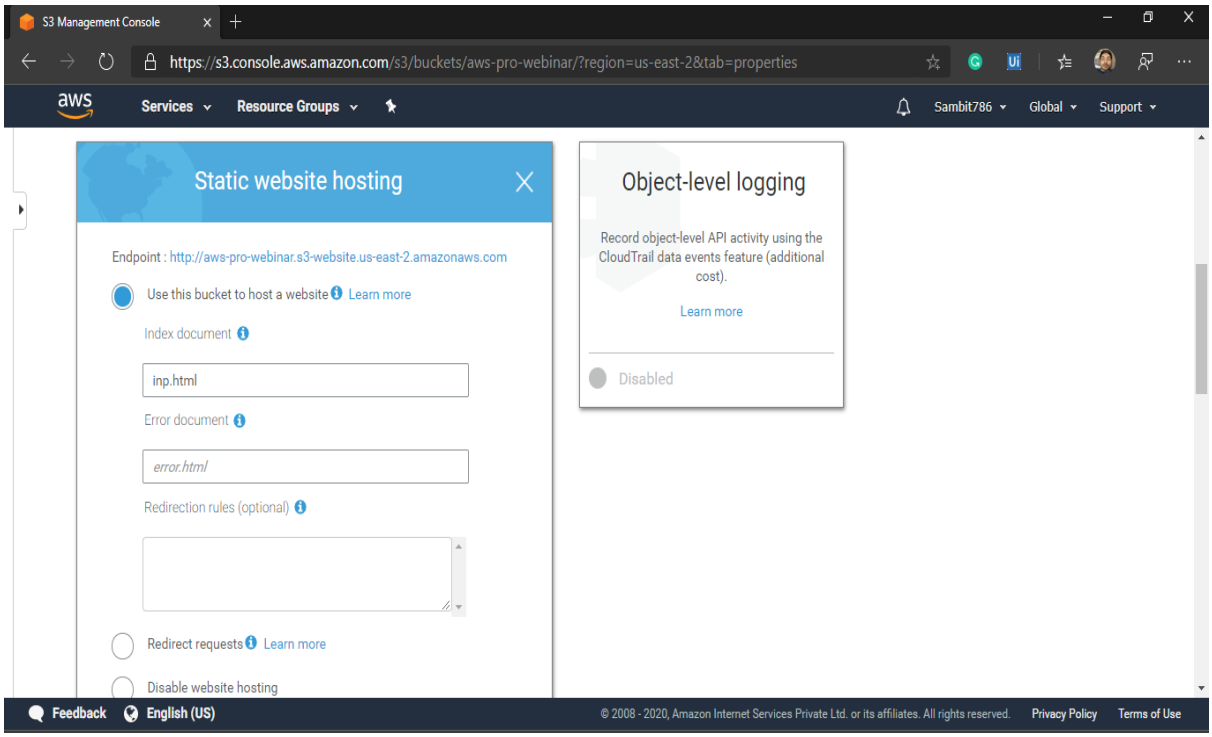
BUILD FACE DETECTION APP ON AWS



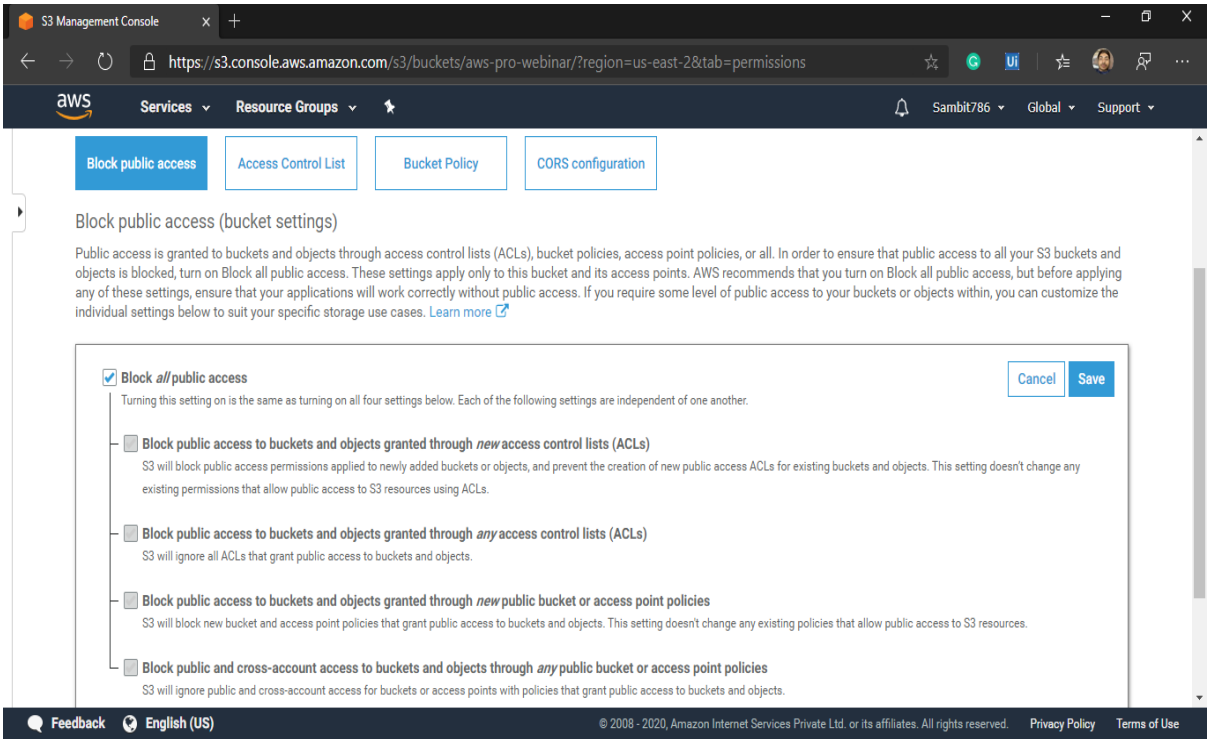


BUILD FACE DETECTION APP ON AWS

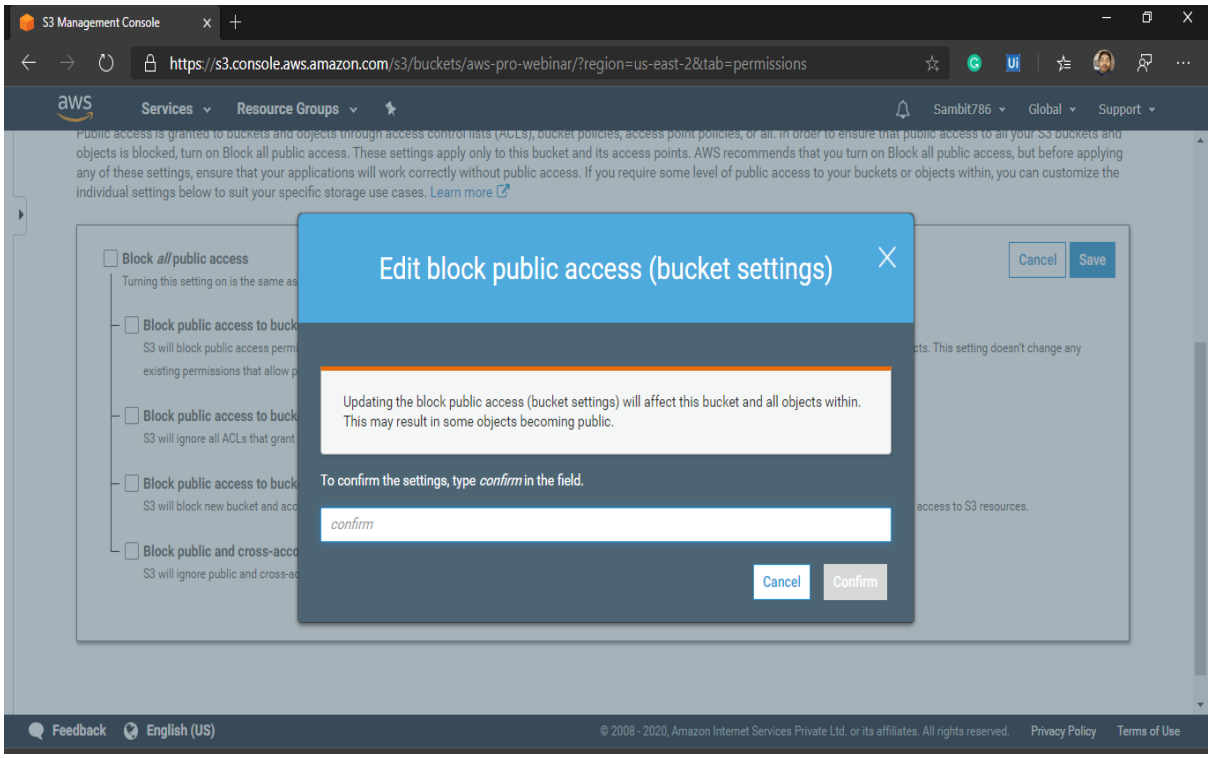
- **ENABLING STATIC WEBSITE:-**

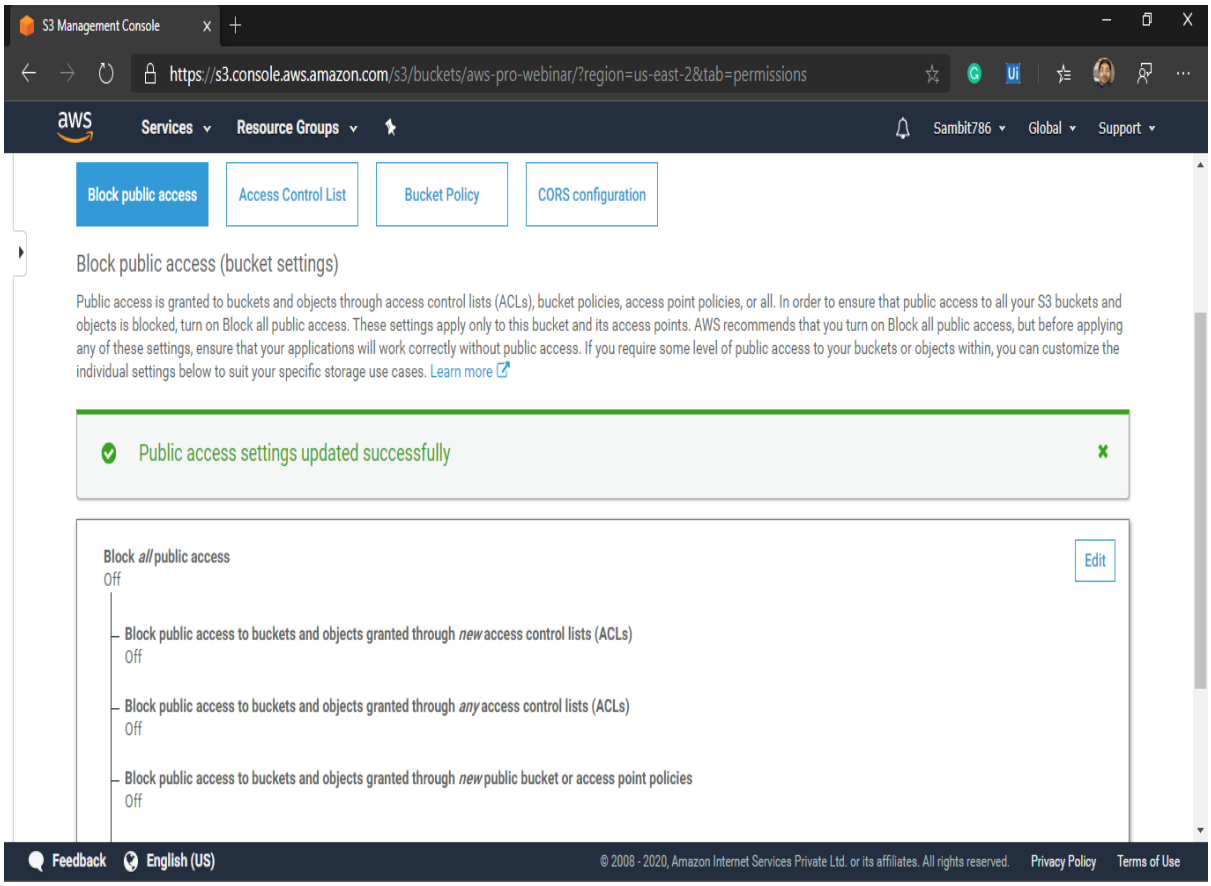


- **MAKING THE OBJECT PUBLIC:-**

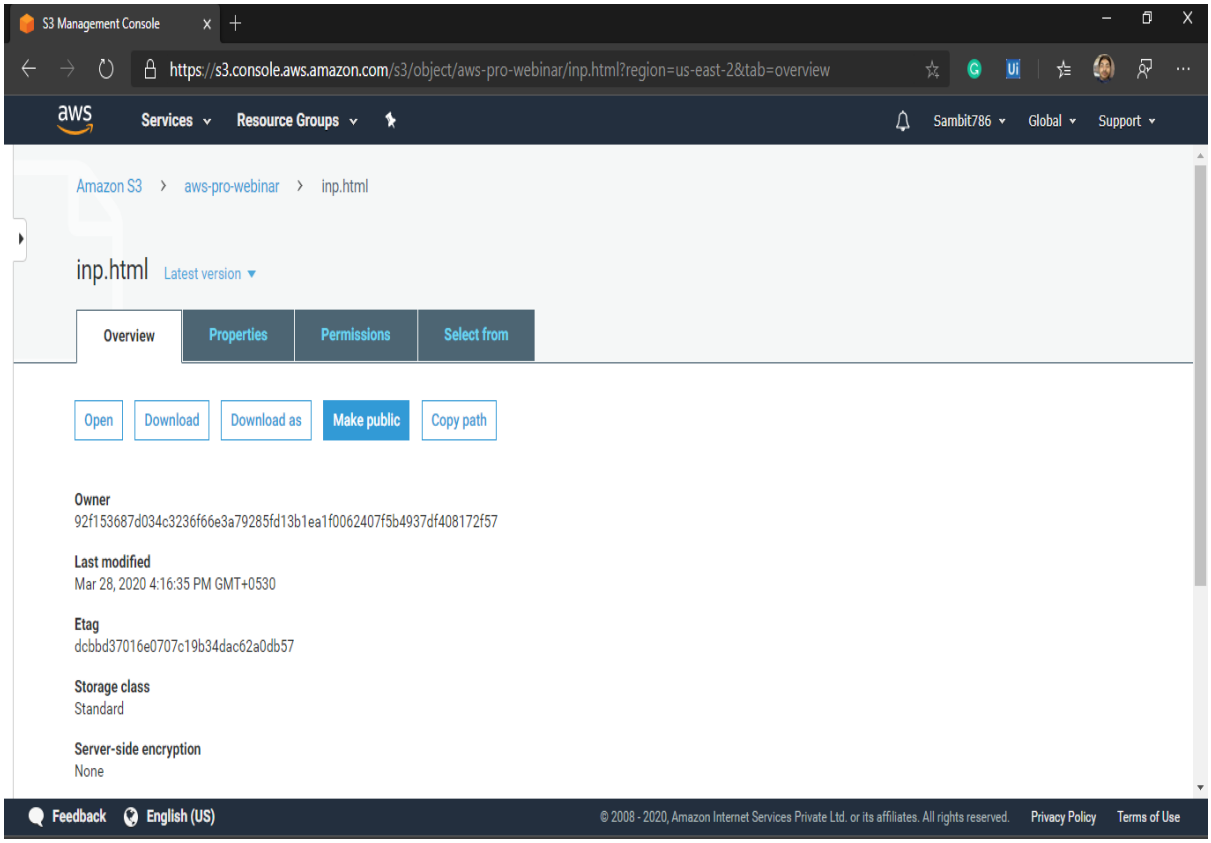


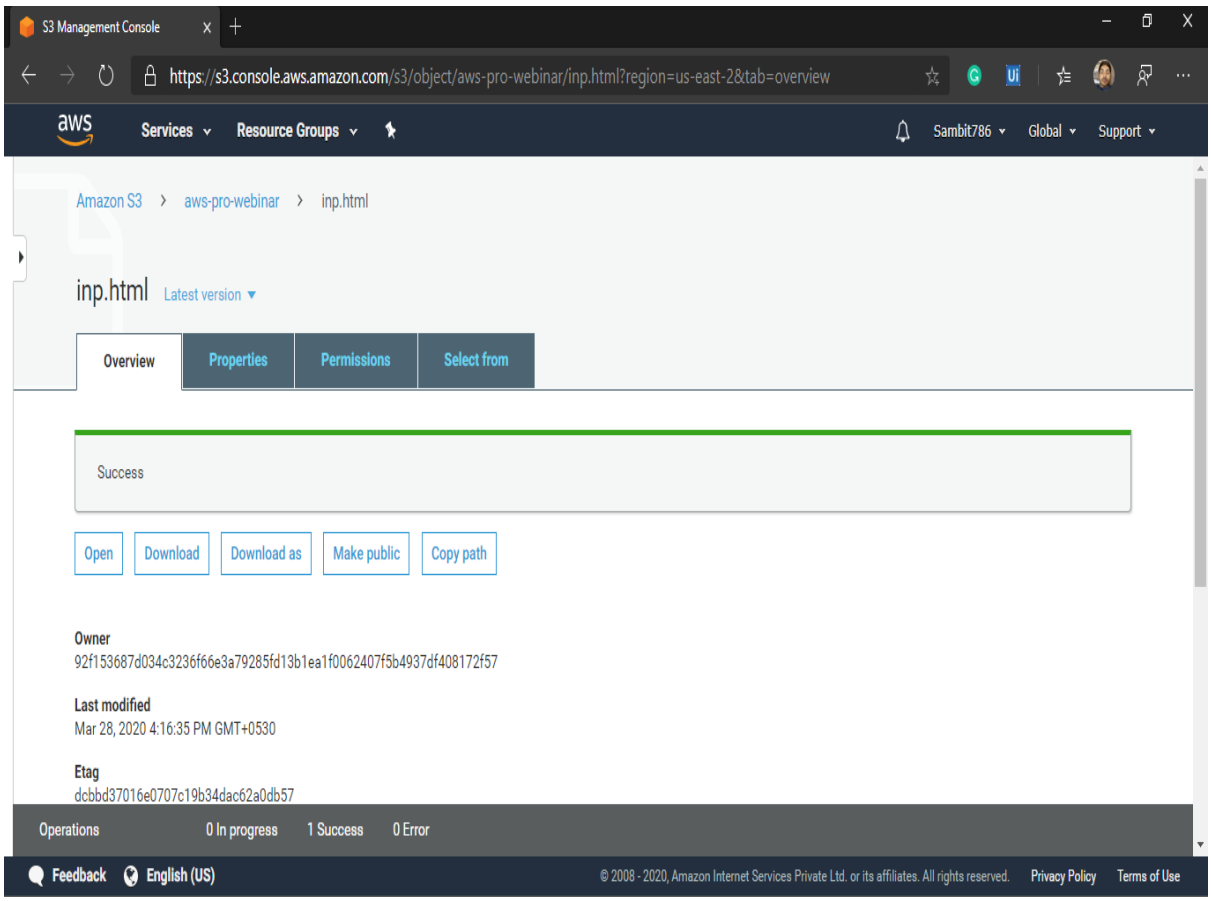
BUILD FACE DETECTION APP ON AWS





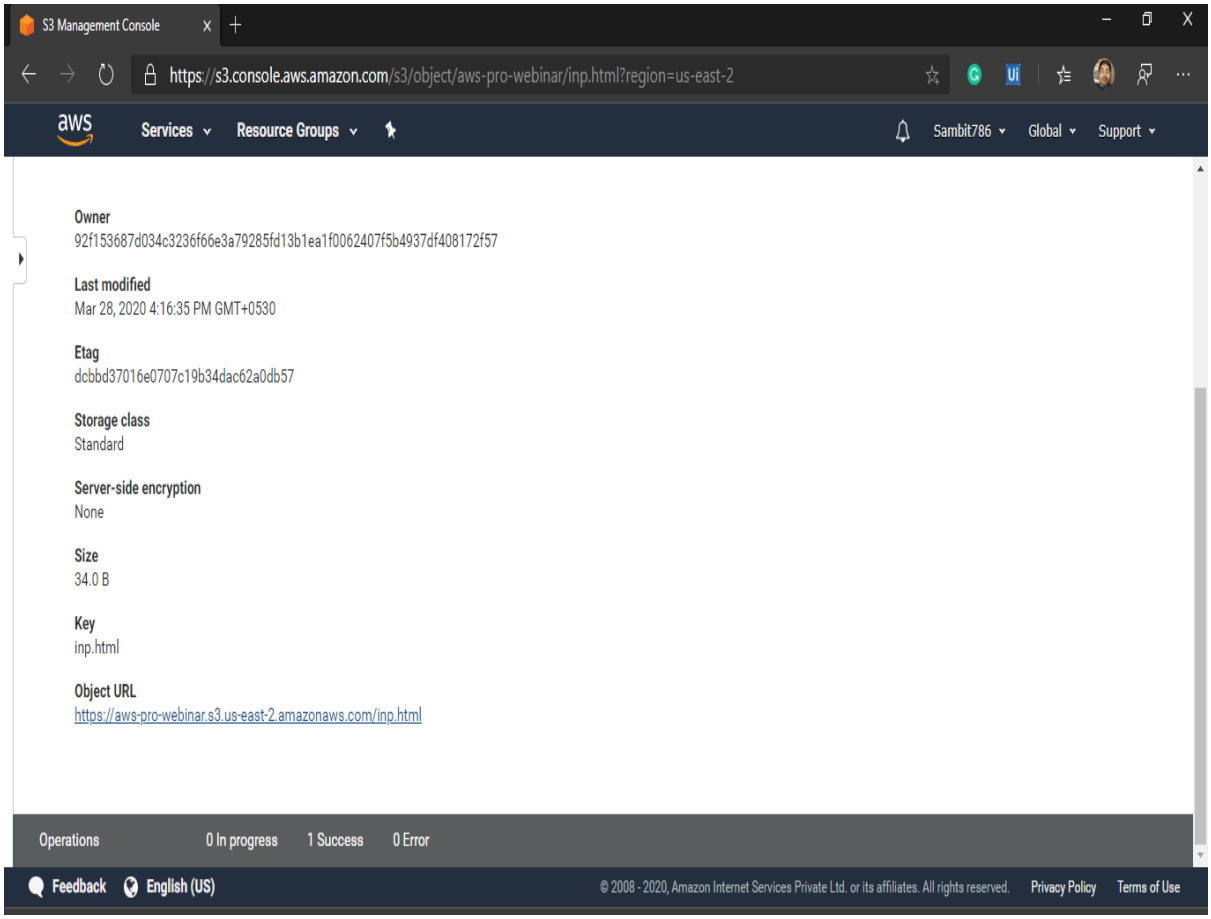
BUILD FACE DETECTION APP ON AWS

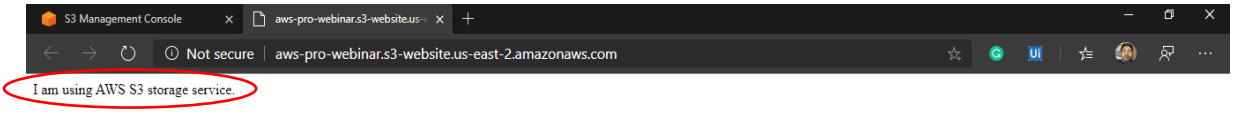




BUILD FACE DETECTION APP ON AWS

- **CREATING S3 LINK ON THE BROWSER:-**

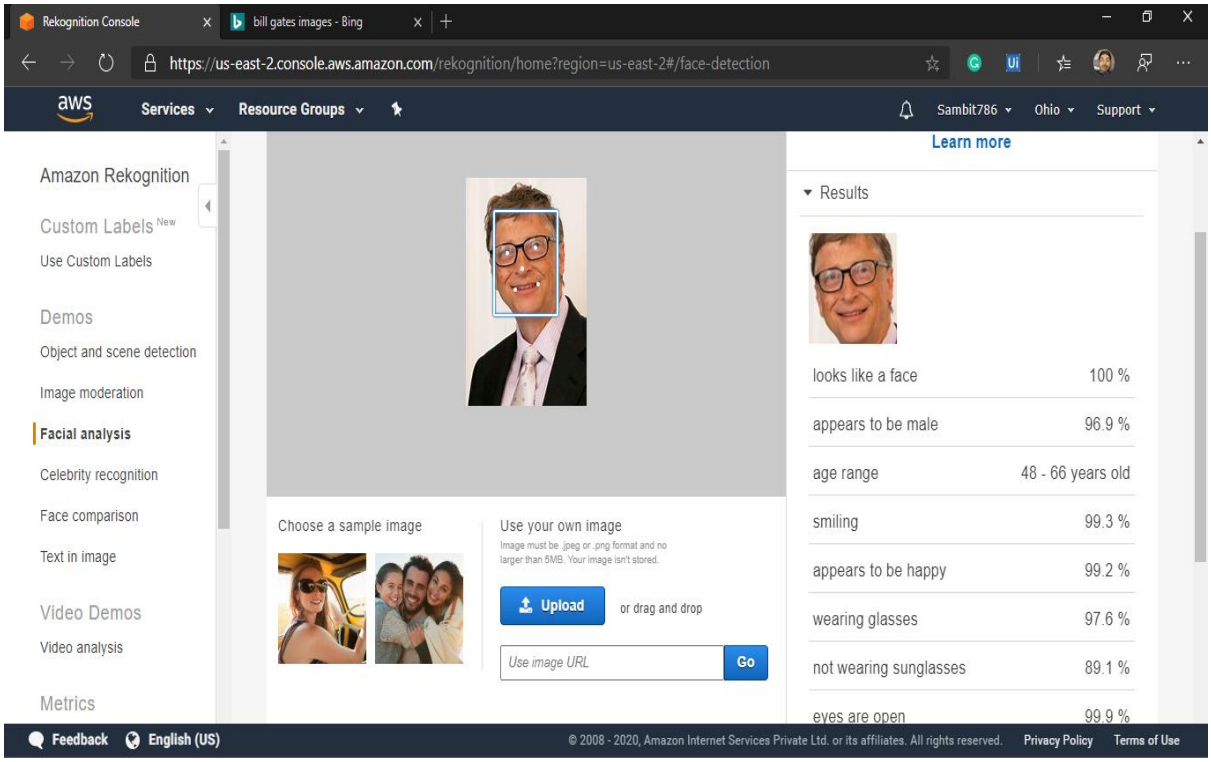




BUILD FACE DETECTION APP ON AWS

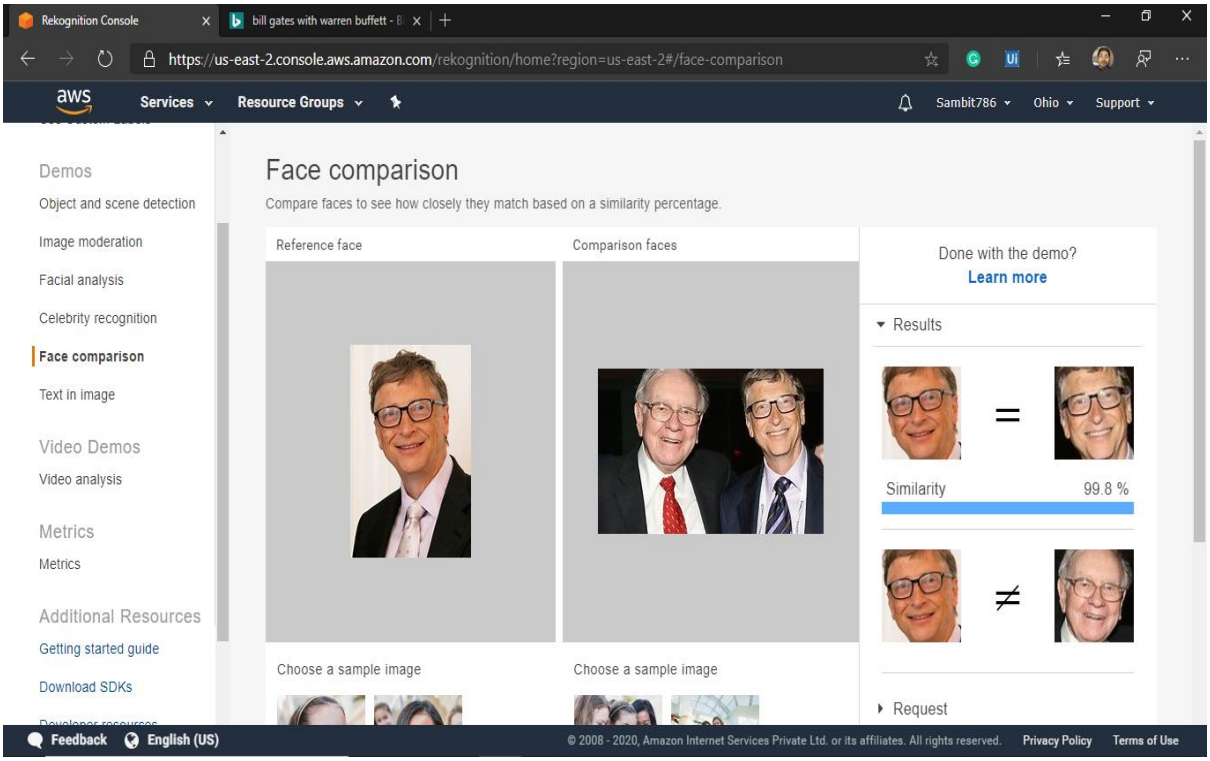
STEPS INVOLVED IN TASKING THE AWS REKOGNITION SERVICE:-

- **FACE DETECT:-**

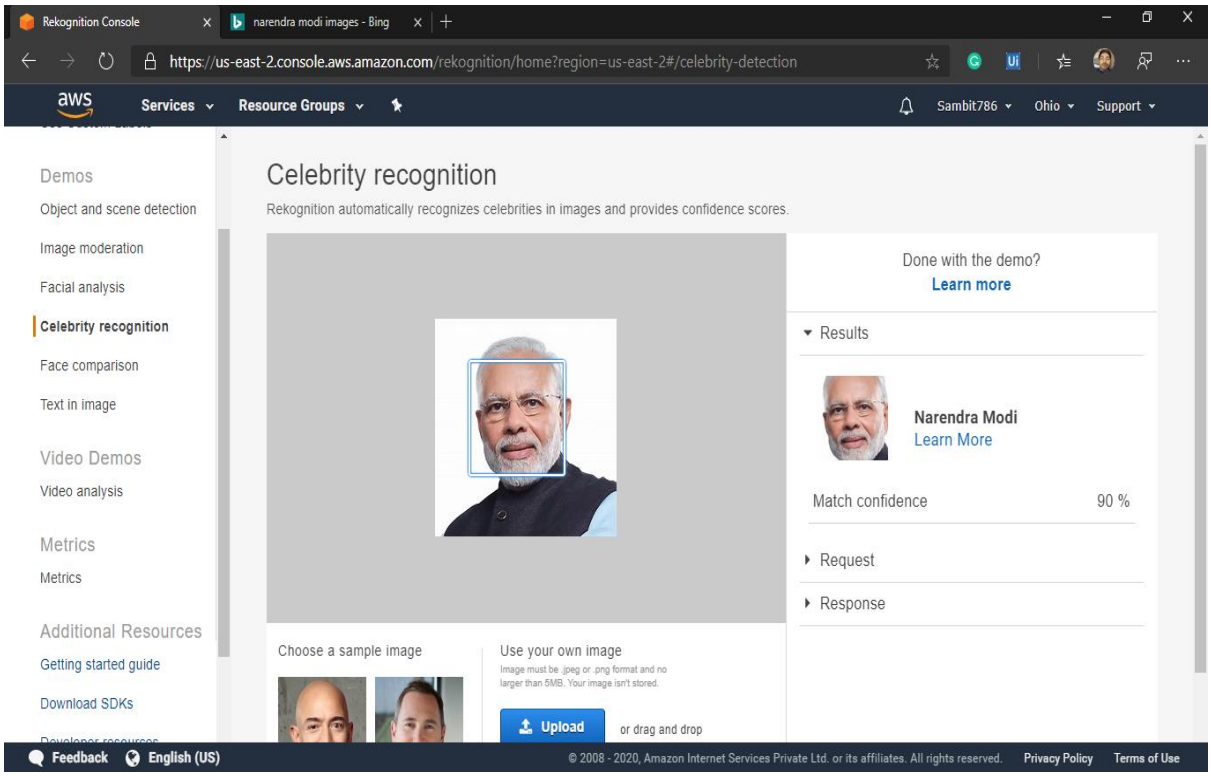


BUILD FACE DETECTION APP ON AWS

- **FACE COMPARISON:-**

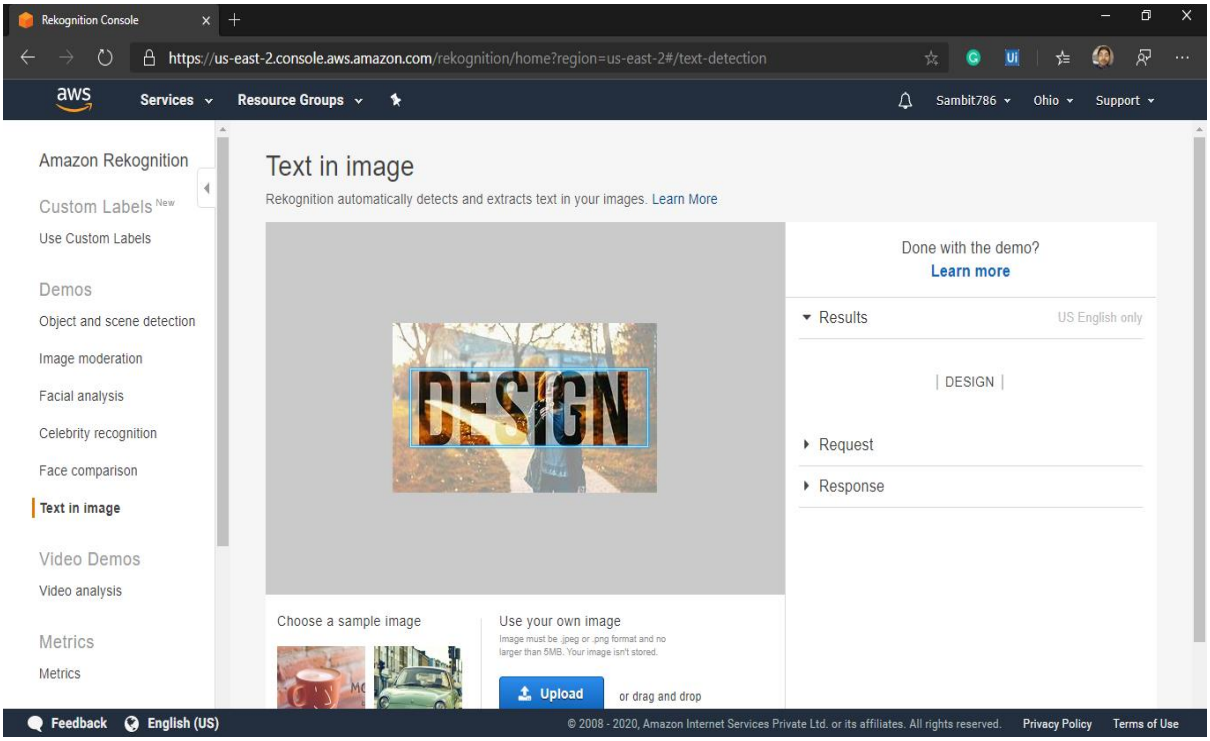


- **CELEBRITY RECOGNITION:-**



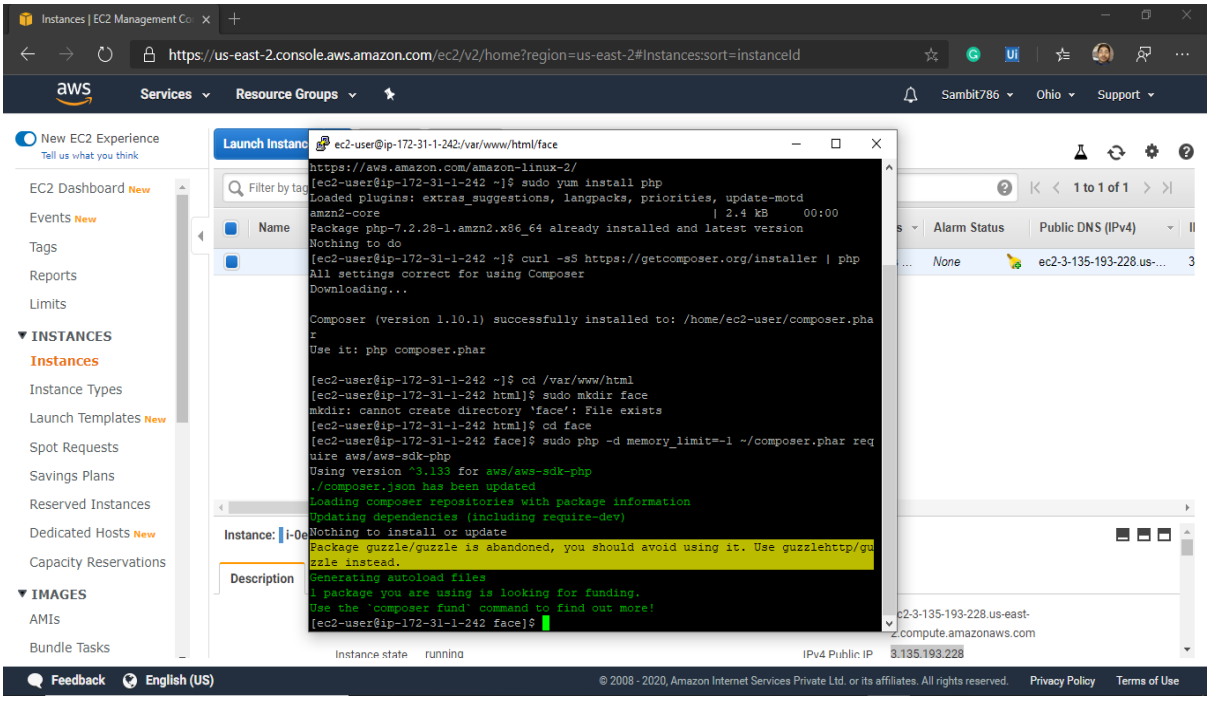
BUILD FACE DETECTION APP ON AWS

- **TEXT IN IMAGE:-**



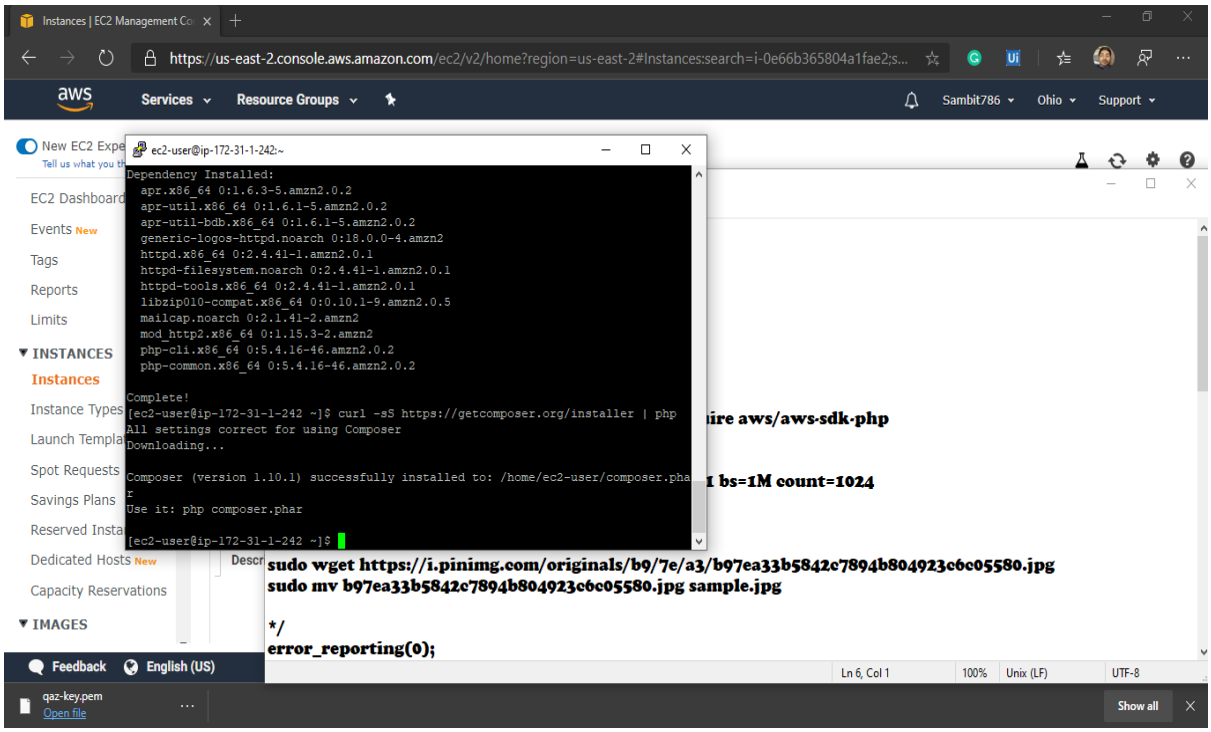
STEPS INVOLVED IN LINKING THE EC2 AND S3 SERVICES FROM AWS:-

- **INSTALLING AWS-SDK:-**

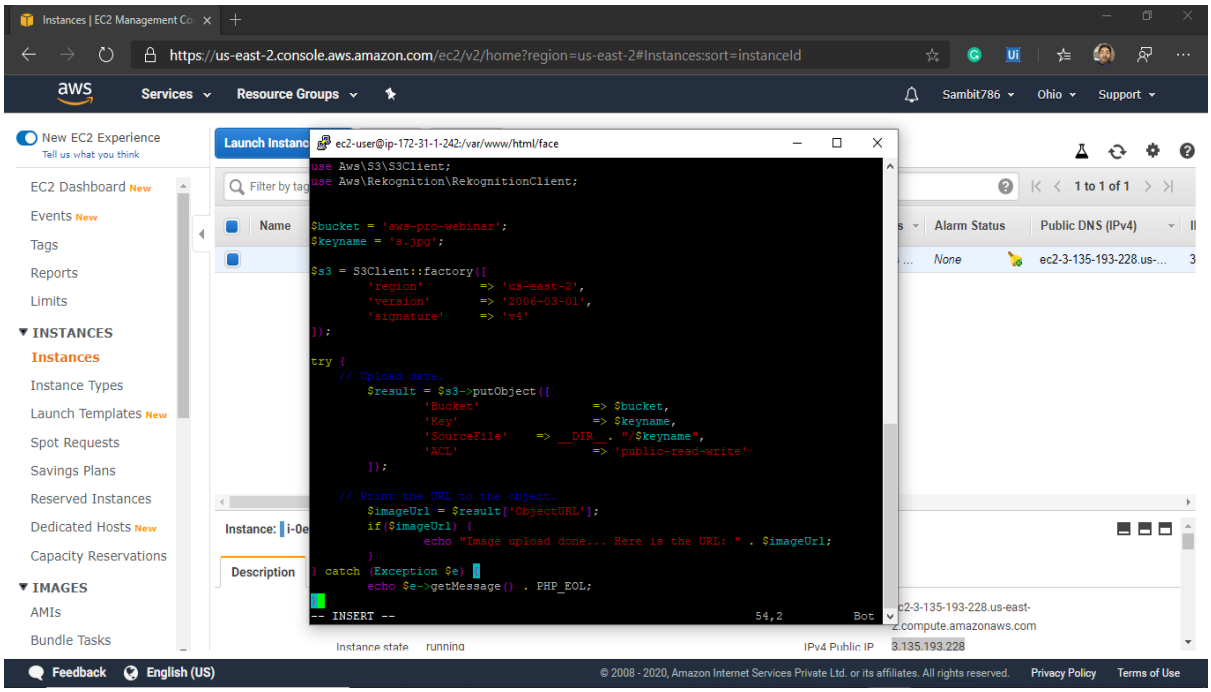


BUILD FACE DETECTION APP ON AWS

- **INSTALLING PHP:-**



- **INDEX.PHP FILE CODE IN PUTTY:-**



BUILD FACE DETECTION APP ON AWS

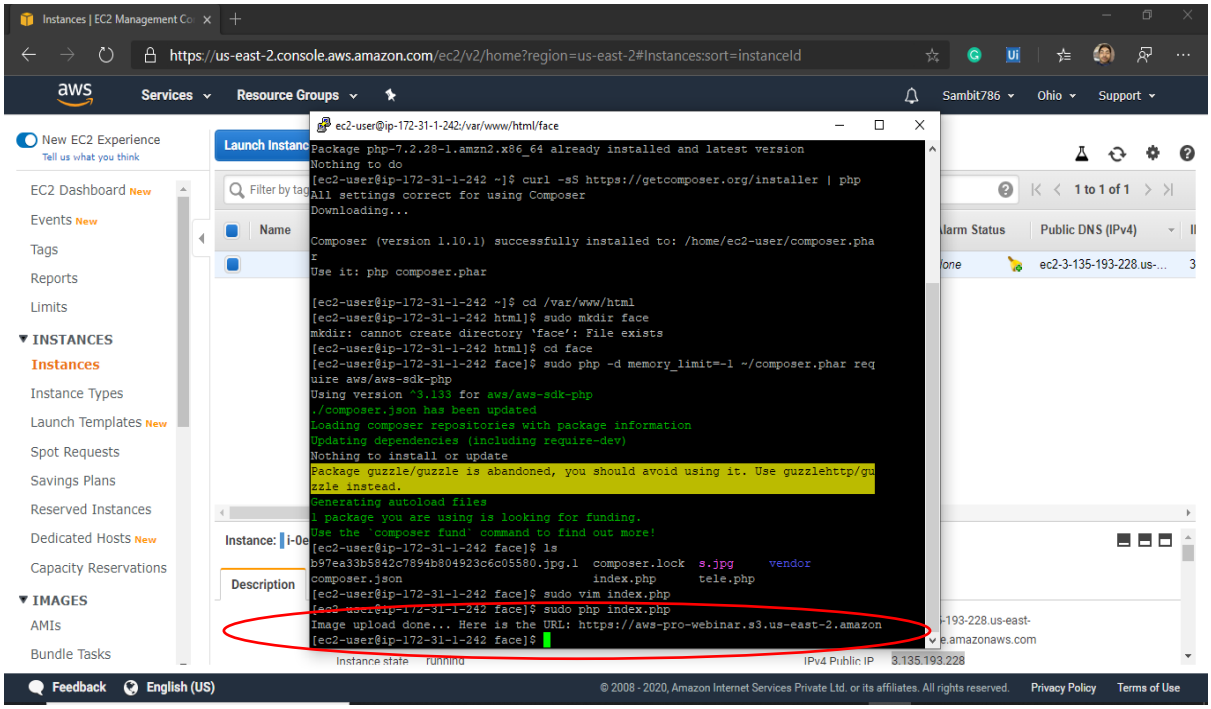
*index - Notepad

File Edit Format View Help

```
sudo /sbin/swapon /var/swap.1

sudo wget https://i.pinimg.com/originals/b9/7e/a3/b97ea33b5842c7894b804923c6c05580.jpg
sudo mv b97ea33b5842c7894b804923c6c05580.jpg s.jpg

*/
error_reporting(0);

require_once(__DIR__ . '/vendor/autoload.php');

use Aws\S3\S3Client;
use Aws\Rekognition\RekognitionClient;


$bucket = 'aws-pro-webinar';
$keyname = 's.jpg';

$s3 = S3Client::factory([
        'region'    => 'us-east-2',
        'version'   => '2006-03-01',
        'signature' => 'v4'
]);

try {
  // Upload data.
        $result = $s3->putObject([
                'Bucket'        => $bucket,
                'Key'           => $keyname,
                'SourceFile'    => __DIR__. "/$keyname",
                'ACL'           => 'public-read-write'
        ]);
```

Ln 13, Col 1 100% Unix (LF) UTF-8

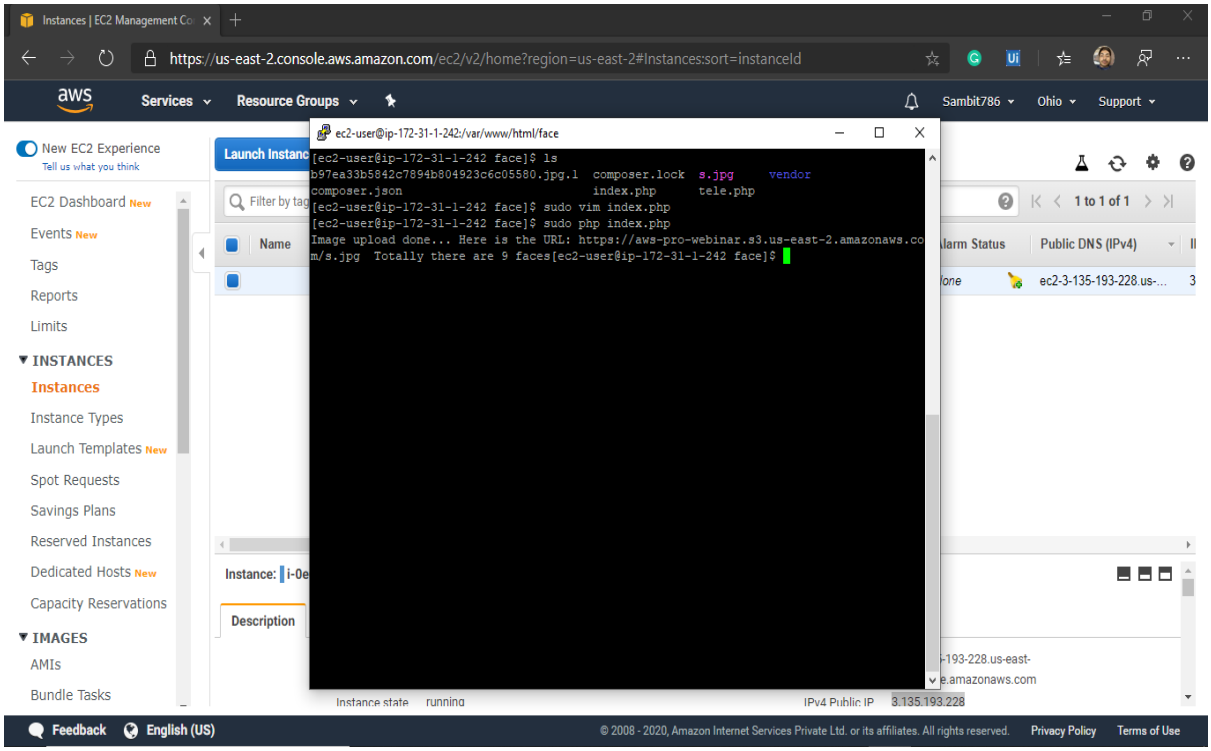
- **UPLOAD SUCCESS SCREESHOT:-**



BUILD FACE DETECTION APP ON AWS

EC2-REKOGNITION LINK:-

- **FACE DETECT SUCCESS SCREENSHOT:-**



-X—END—X-

BUILD FACE DETECTION APP ON AWS