

# FACE DETECTION APP USING AMAZON WEB SERVICES

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**7-Day Masterclass Webinars by Ethnus**

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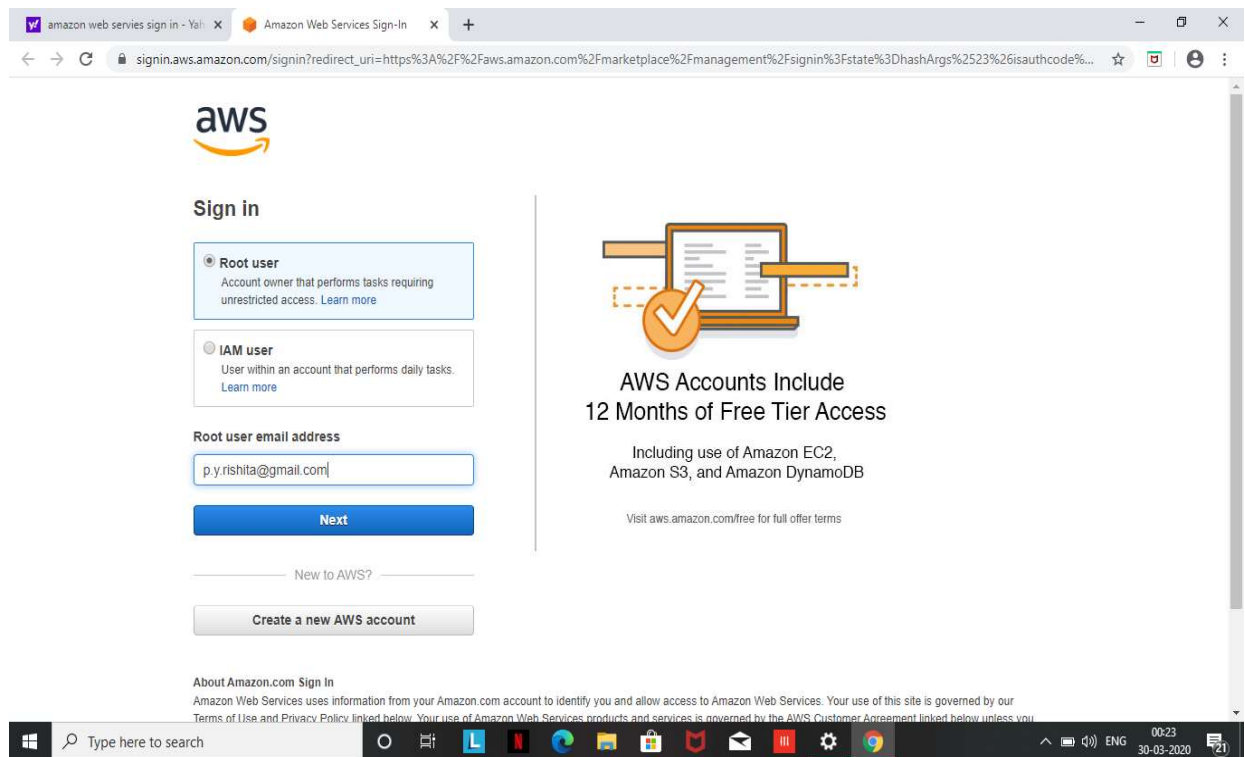
Mail- p.y.rishita@gmail.com

College- Vellore Institute of technology,AP

# Screenshots of the project

## Dashboards

### 1.AWS login screen with username



The screenshot displays the AWS login page in a web browser. The browser's address bar shows the URL: `signin.aws.amazon.com/signin?redirect_uri=https%3A%2F%2Faws.amazon.com%2Fmarketplace%2Fmanagement%2Fsignin%3Fstate%3DhashArgs%2523%26isauthcode%...`. The page features the AWS logo at the top left. Below it, the "Sign in" section offers two options: "Root user" (selected) and "IAM user". The "Root user" option is described as "Account owner that performs tasks requiring unrestricted access." Below these options, there is a text input field for the "Root user email address" containing the email `p.y.rishita@gmail.com`. A blue "Next" button is positioned below the email field. To the right of the sign-in options, there is a graphic of a document with a checkmark and the text "AWS Accounts Include 12 Months of Free Tier Access", followed by a list of services: "Including use of Amazon EC2, Amazon S3, and Amazon DynamoDB". At the bottom of the sign-in section, there is a link to "Visit aws.amazon.com/free for full offer terms". Below the sign-in section, there is a link for "New to AWS?" and a button for "Create a new AWS account". At the bottom of the page, there is a section titled "About Amazon.com Sign In" with a disclaimer: "Amazon Web Services uses information from your Amazon.com account to identify you and allow access to Amazon Web Services. Your use of this site is governed by our Terms of Use and Privacy Policy linked below. Your use of Amazon Web Services products and services is governed by the AWS Customer Agreement linked below unless you..." The Windows taskbar is visible at the bottom of the screen, showing the search bar, task view button, and several application icons. The system clock in the bottom right corner indicates the time is 00:23 on 30-03-2020.

amazon web services sign-in - Yal | Amazon Web Services Sign-In

signin.aws.amazon.com/signin?redirect\_uri=https%3A%2F%2Faws.amazon.com%2Fmarketplace%2Fmanagement%2Fsignin%3Fstate%3DhashArgs%2523%26isauthcode%...

aws

Sign in

☒ Root user  
Account owner that performs tasks requiring unrestricted access. [Learn more](#)

☐ IAM user  
User within an account that performs daily tasks. [Learn more](#)

Root user email address

p.y.rishita@gmail.com

Next

New to AWS?

Create a new AWS account

AWS Accounts Include  
12 Months of Free Tier Access

Including use of Amazon EC2,  
Amazon S3, and Amazon DynamoDB

Visit [aws.amazon.com/free](https://aws.amazon.com/free) for full offer terms

About Amazon.com Sign In  
Amazon Web Services uses information from your Amazon.com account to identify you and allow access to Amazon Web Services. Your use of this site is governed by our [Terms of Use](#) and [Privacy Policy](#) linked below. Your use of Amazon Web Services products and services is governed by the [AWS Customer Agreement](#) linked below unless you...

## 2.EC2 Dashboard

The screenshot displays the AWS EC2 Management Console interface. At the top, a navigation bar includes the AWS logo, 'Services', 'Resource Groups', and a user profile for 'P Yashoda Rishita' in the 'Ohio' region. A blue banner at the top center reads: 'Welcome to the new EC2 console! We're redesigning the EC2 console to make it easier to use and improve performance. We'll release new screens periodically. We encourage you to try them and let us know where we can make improvements. To switch between the old console and the new console, use the New EC2 Experience toggle.'

The left sidebar contains a navigation menu with categories: 'New EC2 Experience', 'EC2 Dashboard' (highlighted), 'Events', 'Tags', 'Reports', 'Limits', 'INSTANCES' (with sub-items: Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations), and 'IMAGES'.

The main content area is titled 'EC2' and features a 'Resources' section. It states: 'You are using the following Amazon EC2 resources in the US East (Ohio) Region:'. Below this, a table lists the resources:

| Resource          | Count |
|-------------------|-------|
| Running instances | 1     |
| Elastic IPs       | 0     |
| Dedicated Hosts   | 0     |
| Snapshots         | 0     |
| Volumes           | 1     |
| Load balancers    | 0     |
| Key pairs         | 2     |
| Security groups   | 3     |
| Placement groups  | 0     |

To the right of the resources table is the 'Account attributes' section, which includes 'Supported platforms' (listing VPC), 'Default VPC' (vpc-edba6f86), 'Console experiments', and 'Settings'. Below this is the 'Additional information' section.

The bottom of the console shows a footer with 'Feedback', 'English (US)', and copyright information: '© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use'. The Windows taskbar at the very bottom shows the time as 14:14 on 29-03-2020.

### 3.S3 dashboard

The screenshot shows the Amazon S3 Management Console in a web browser. The browser tabs include 'google - Yahoo Search Results', 'Download Putty (0.73) for Wind...', and 'S3 Management Console'. The address bar shows 's3.console.aws.amazon.com/s3/home?region=us-east-2'. The AWS console header includes the 'aws' logo, 'Services' dropdown, 'Resource Groups' dropdown, and user information 'P Yashoda Rishita' with 'Global' and 'Support' links. A blue notification banner at the top states: 'We're gradually updating the design of the Amazon S3 console. You will notice some updated screens as we improve the performance and user interface. To help us improve the experience, give feedback on the recent updates.' The left sidebar has a search bar and links to 'Buckets', 'Batch operations', 'Access analyzer for S3', 'Block public access (account settings)', and 'Feature spotlight 2'. The main content area is titled 'Amazon S3' and shows 'Buckets (1)'. It includes buttons for 'Copy ARN', 'Empty', 'Delete', and 'Create bucket'. A search bar says 'Find bucket by name'. Below is a table with one bucket:

|                       | Name                | Region                   | Access | Bucket created           |
|-----------------------|---------------------|--------------------------|--------|--------------------------|
| <input type="radio"/> | aws-webinar-rishita | US East (Ohio) us-east-2 |        | 2020-03-28T08:15:03.000Z |

The footer of the console shows 'Feedback', 'English (US)', and copyright information '© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.' along with 'Privacy Policy' and 'Terms of Use' links. The Windows taskbar at the bottom shows the search bar and various application icons.

### 4.Rekognition Dashboard

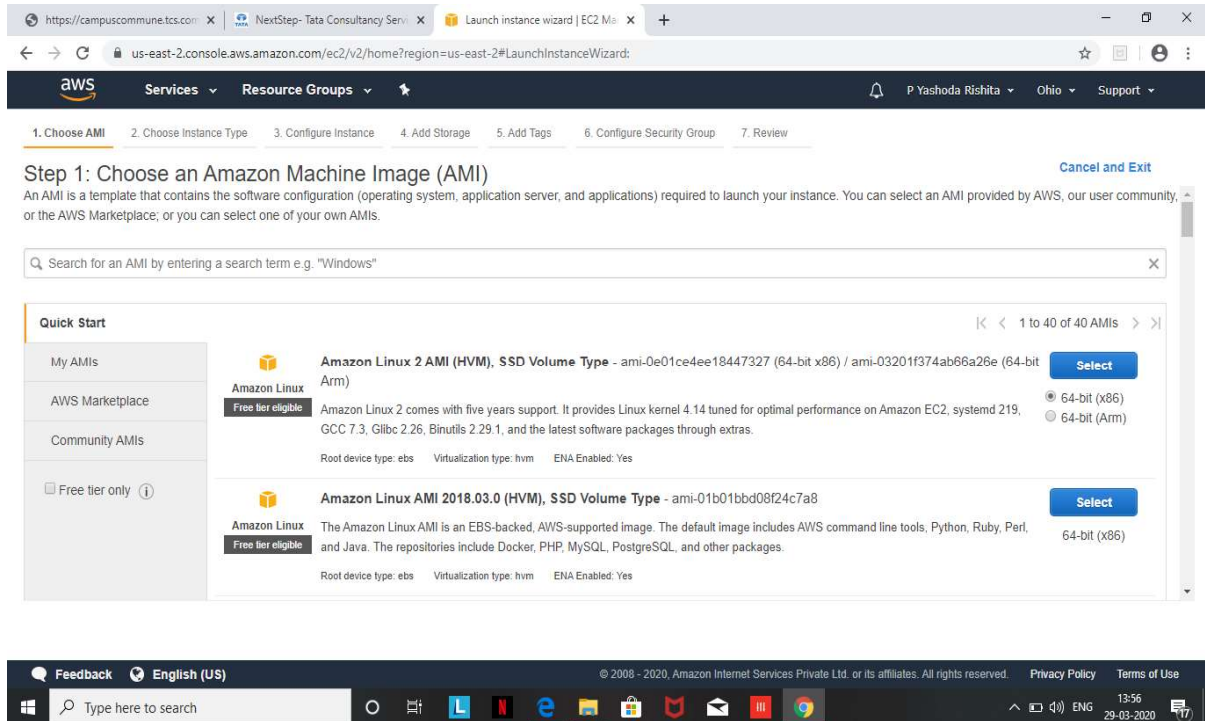
The screenshot shows the Amazon Rekognition dashboard in a web browser. The browser tabs include 'google - Yahoo Search Results', 'Download Putty (0.73) for Wind...', and 'Rekognition Console'. The address bar shows 'us-east-2.console.aws.amazon.com/rekognition/home?region=us-east-2#/'. The AWS console header is similar to the S3 dashboard, but the user information shows 'Ohio'. The left sidebar has a search bar and links to 'Amazon Rekognition', 'Custom Labels New', 'Use Custom Labels', 'Demos', 'Object and scene detection', 'Image moderation', 'Facial analysis', 'Celebrity recognition', 'Face comparison', 'Text in image', 'Video Demos', 'Video analysis', 'Metrics', and 'Metrics'. The main content area features a large hero section with the title 'Amazon Rekognition' and the subtitle 'Deep learning-based visual analysis service'. It includes the text 'Search, verify, and organize millions of images and videos' and buttons for 'Try Demo' and 'Download SDKs'. Below the hero section are three columns of content:

- Easily Integrate Powerful Visual Analysis into Your App**  
You don't need computer vision or deep learning expertise to take advantage of
- Continuously Learning**  
Amazon Rekognition is designed to use deep learning technology to analyze billions of images and videos daily. It is
- Integrated with AWS Services**  
Amazon Rekognition is designed to work seamlessly with other AWS services. Rekognition integrates directly with Amazon

The footer of the console shows 'Feedback', 'English (US)', and copyright information '© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.' along with 'Privacy Policy' and 'Terms of Use' links. The Windows taskbar at the bottom shows the search bar and various application icons.

# Screenshots for EC2

## 1.Choosing an AMI



## 2.Choosing an instance type

Step 2: Choose an Instance Type

Amazon EC2 provides a wide selection of instance types optimized to fit different use cases. Instances are virtual servers that can run applications. They have varying combinations of CPU, memory, storage, and networking capacity, and give you the flexibility to choose the appropriate mix of resources for your applications. [Learn more](#) about instance types and how they can meet your computing needs.

Filter by: All instance types Current generation Show/Hide Columns

Currently selected: t2.micro (Variable ECUs, 1 vCPUs, 2.5 GHz, Intel Xeon Family, 1 GiB memory, EBS only)

|                                     | Family          | Type                           | vCPUs | Memory (GiB) | Instance Storage (GB) | EBS-Optimized Available | Network Performance | IPv6 Support |
|-------------------------------------|-----------------|--------------------------------|-------|--------------|-----------------------|-------------------------|---------------------|--------------|
| <input type="checkbox"/>            | General purpose | t2.nano                        | 1     | 0.5          | EBS only              | -                       | Low to Moderate     | Yes          |
| <input checked="" type="checkbox"/> | General purpose | t2.micro<br>Free tier eligible | 1     | 1            | EBS only              | -                       | Low to Moderate     | Yes          |
| <input type="checkbox"/>            | General purpose | t2.small                       | 1     | 2            | EBS only              | -                       | Low to Moderate     | Yes          |
| <input type="checkbox"/>            | General purpose | t2.medium                      | 2     | 4            | EBS only              | -                       | Low to Moderate     | Yes          |
| <input type="checkbox"/>            | General purpose | t2.large                       | 2     | 8            | EBS only              | -                       | Low to Moderate     | Yes          |

Cancel Previous Review and Launch Next: Configure Instance Details

## 3.Adding storage

Step 4: Add Storage

Your instance will be launched with the following storage device settings. You can attach additional EBS volumes and instance store volumes to your instance, or edit the settings of the root volume. You can also attach additional EBS volumes after launching an instance, but not instance store volumes. [Learn more](#) about storage options in Amazon EC2.

| Volume Type | Device    | Snapshot               | Size (GiB) | Volume Type               | IOPS       | Throughput (MB/s) | Delete on Termination               | Encryption  |
|-------------|-----------|------------------------|------------|---------------------------|------------|-------------------|-------------------------------------|-------------|
| Root        | /dev/xvda | snap-0f54692056aaa4c20 | 8          | General Purpose SSD (gp2) | 100 / 3000 | N/A               | <input checked="" type="checkbox"/> | Not Encrypt |

Add New Volume

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. [Learn more](#) about free usage tier eligibility and usage restrictions.

Cancel Previous Review and Launch Next: Add Tags



## 4. Configuring Security Group

https://campuscommune.tcs.com | NextStep- Tata Consultancy Servi | Launch instance wizard | EC2 Ma

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard:

aws Services Resource Groups

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

### Step 6: Configure Security Group

A security group is a set of firewall rules that control the traffic for your instance. On this page, you can add rules to allow specific traffic to reach your instance. For example, if you want to set up a web server and allow Internet traffic to reach your instance, add rules that allow unrestricted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below. [Learn more](#) about Amazon EC2 security groups.

Assign a security group: ☒ Create a new security group  
☐ Select an existing security group

Security group name:

Description:

| Type | Protocol | Port Range | Source           | Description                |
|------|----------|------------|------------------|----------------------------|
| SSH  | TCP      | 22         | Custom 0.0.0.0/0 | e.g. SSH for Admin Desktop |

Add Rule

**Warning**

Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

Cancel Previous **Review and Launch**

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Type here to search

## 5. Key Pair Download

https://campuscommune.tcs.com | NextStep- Tata Consultancy Servi | Launch instance wizard | EC2 Ma

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard:

aws Services Resource Groups

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

### Step 7: Review Instance Launch

**Select an existing key pair or create a new key pair**

A key pair consists of a **public key** that AWS stores, and a **private key file** that you store. Together, they allow you to connect to your instance securely. For Windows AMIs, the private key file is required to obtain the password used to log into your instance. For Linux AMIs, the private key file allows you to securely SSH into your instance.

Note: The selected key pair will be added to the set of keys authorized for this instance. Learn more about [removing existing key pairs from a public AMI](#).

Create a new key pair

Key pair name:

Download Key Pair

You have to download the **private key file** (\*.pem file) before you can continue. Store it in a secure and accessible location. You will not be able to download the file again after it's created.

Cancel **Launch Instances**

Instance Type: t2.micro ECU: Variable

Security Groups: launch-wizard-2

Instance Details: t2.micro

Storage: 8 GB

Tags: None

Network Performance: Low to Moderate

Edit security groups

Edit instance details

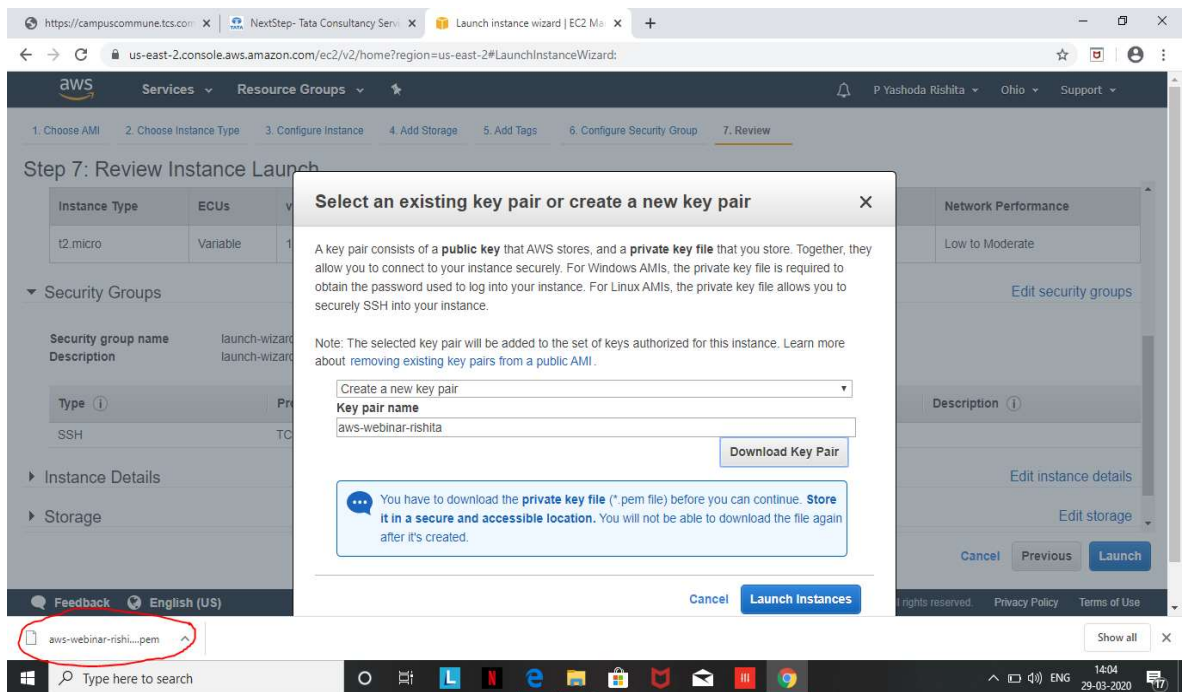
Edit storage

Edit tags

Cancel Previous **Launch**

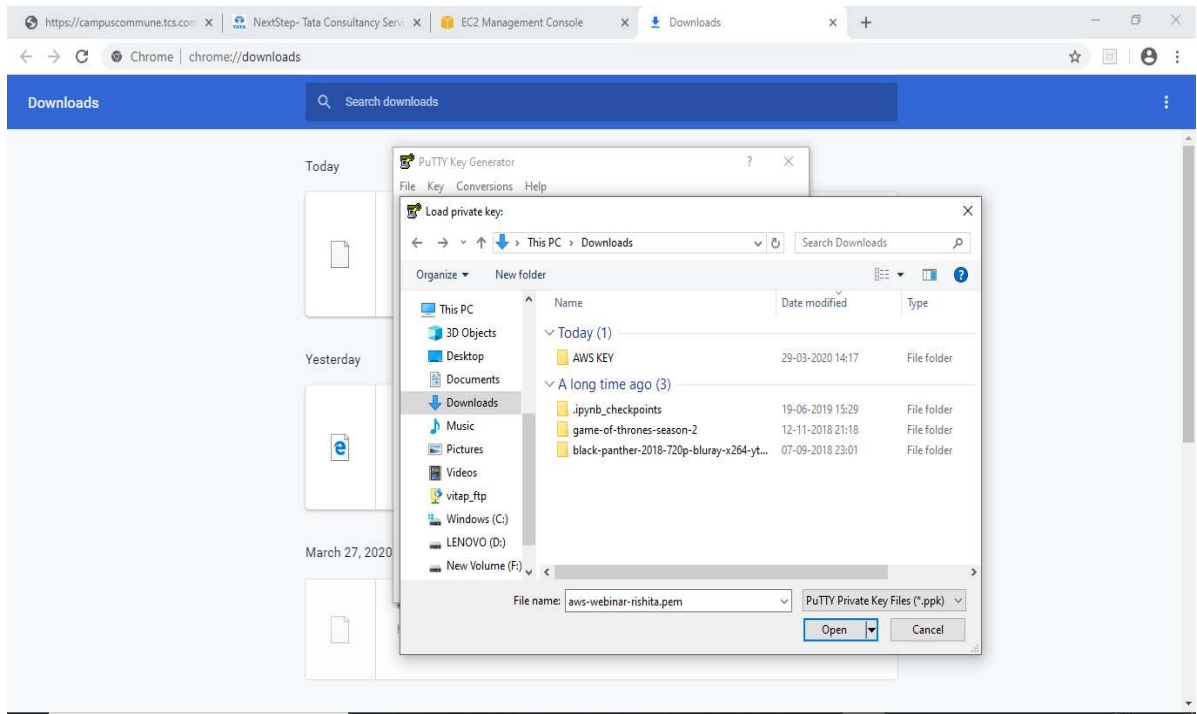
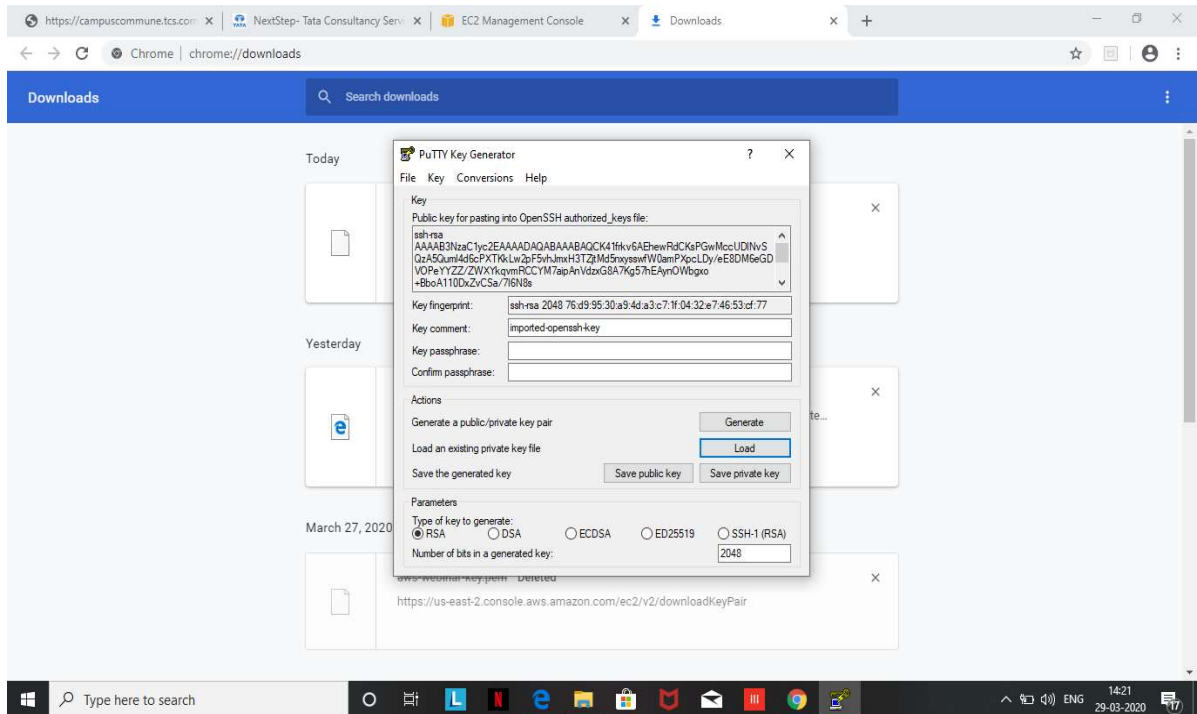
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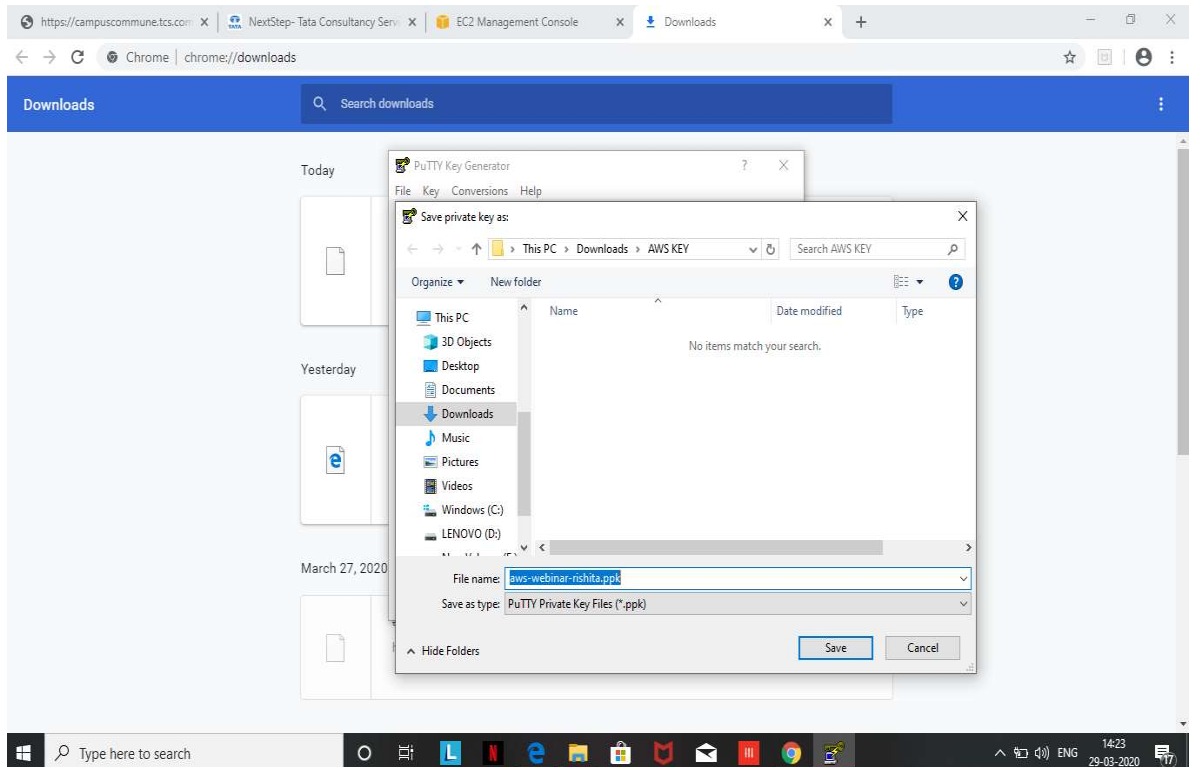
Type here to search



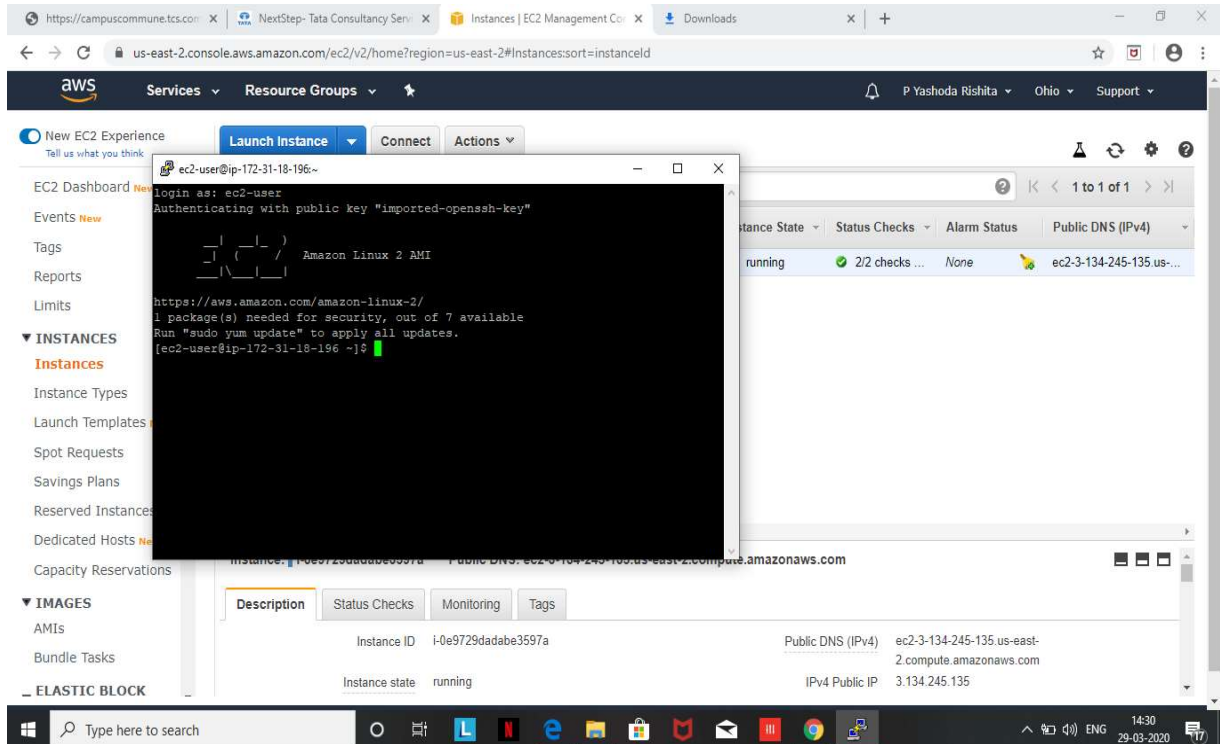
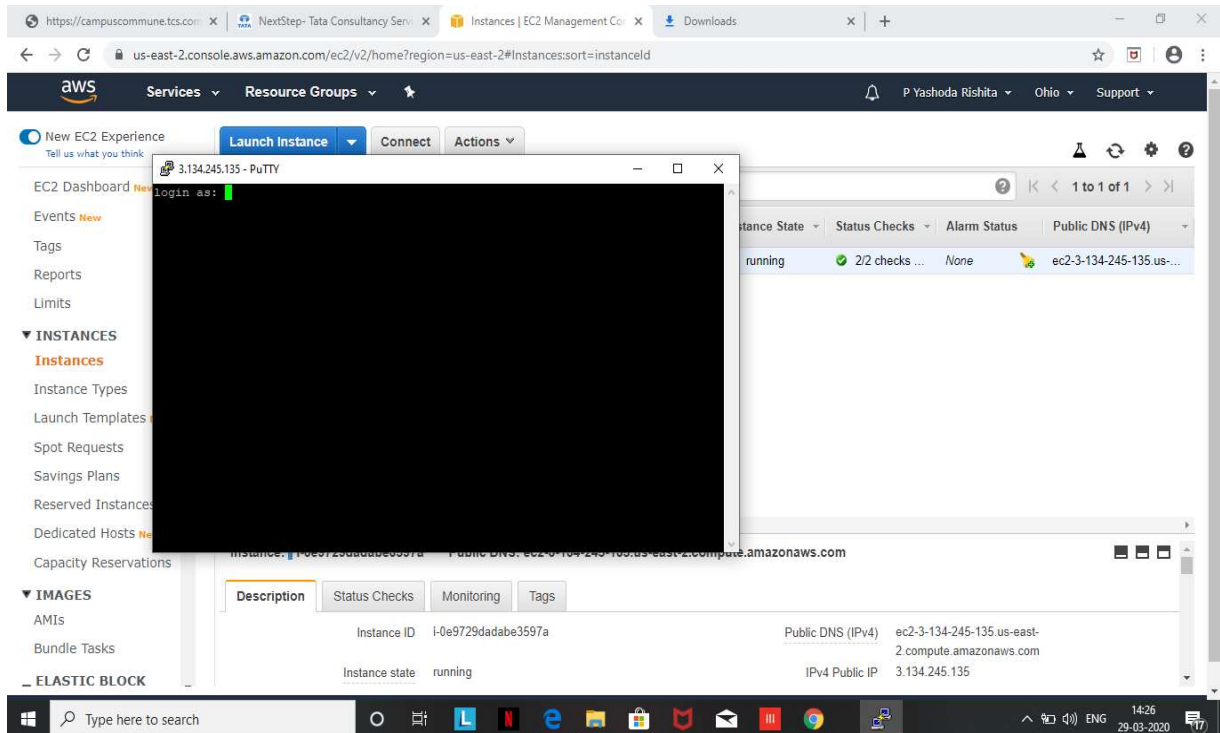


## 6. PuTTYgen conversion from pem to ppk



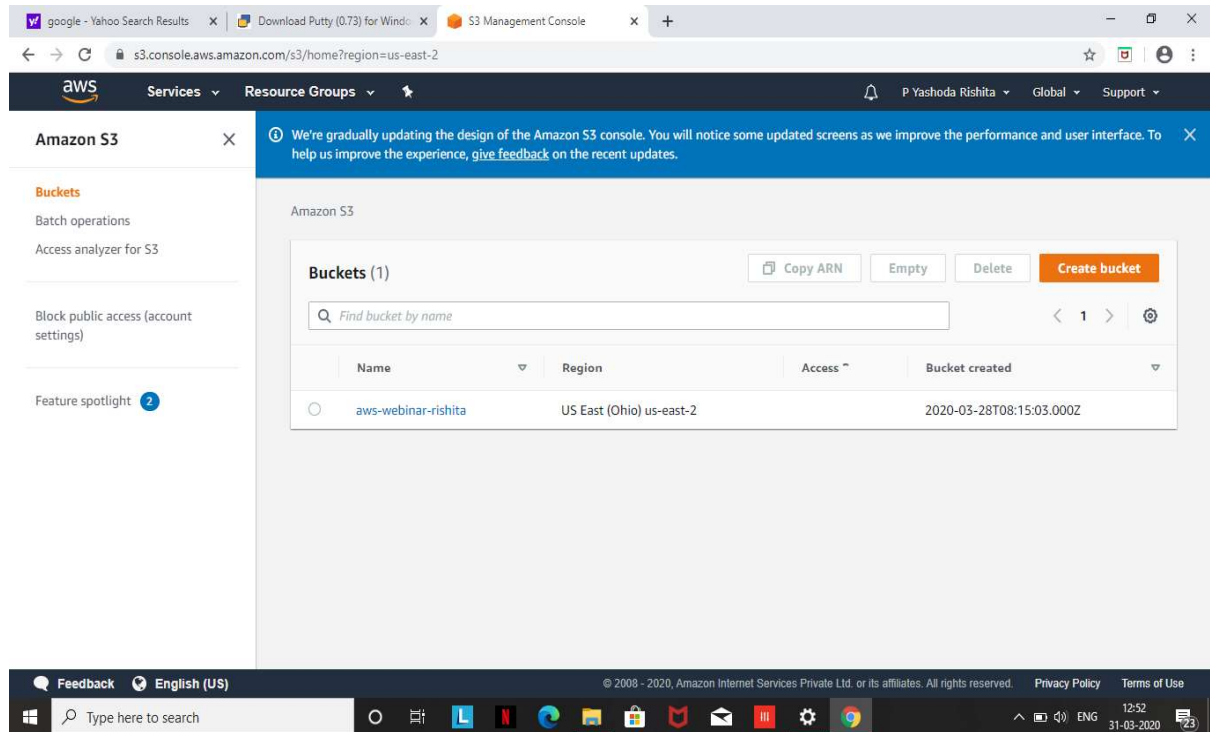


## 7. Logged in EC2 black screen

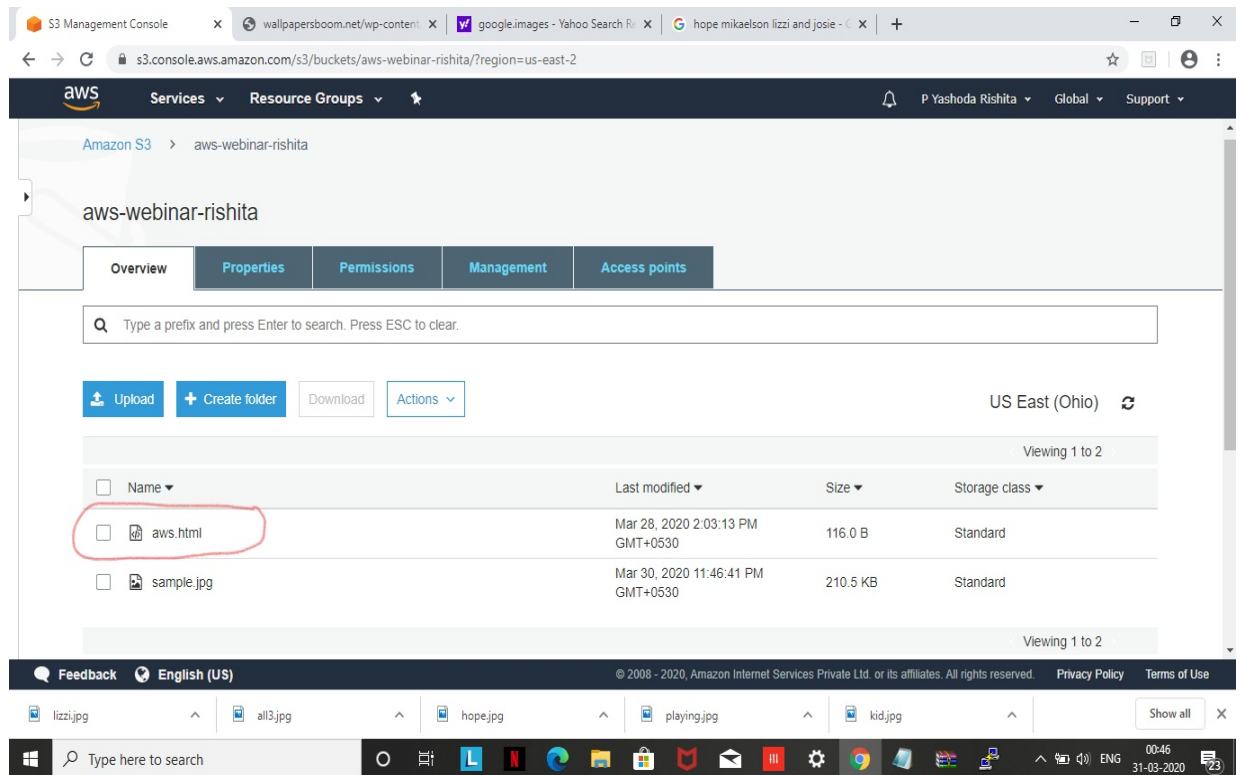


# Screenshots for s3

## 1. Creating a bucket



## 2. Uploading an object



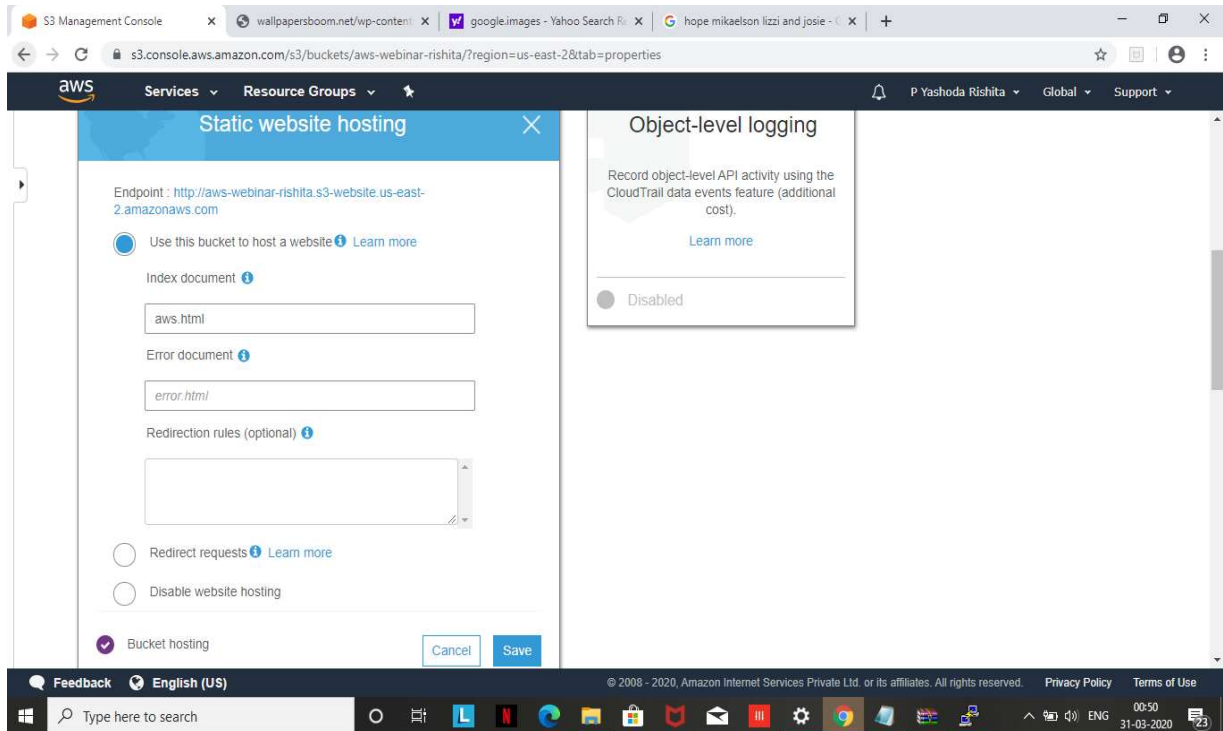
The screenshot displays the AWS S3 Management Console interface for the bucket 'aws-webinar-rishita'. The console shows the following details:

- Bucket Name:** aws-webinar-rishita
- Region:** US East (Ohio)
- Actions:** Upload, Create folder, Download, Actions
- File List:**

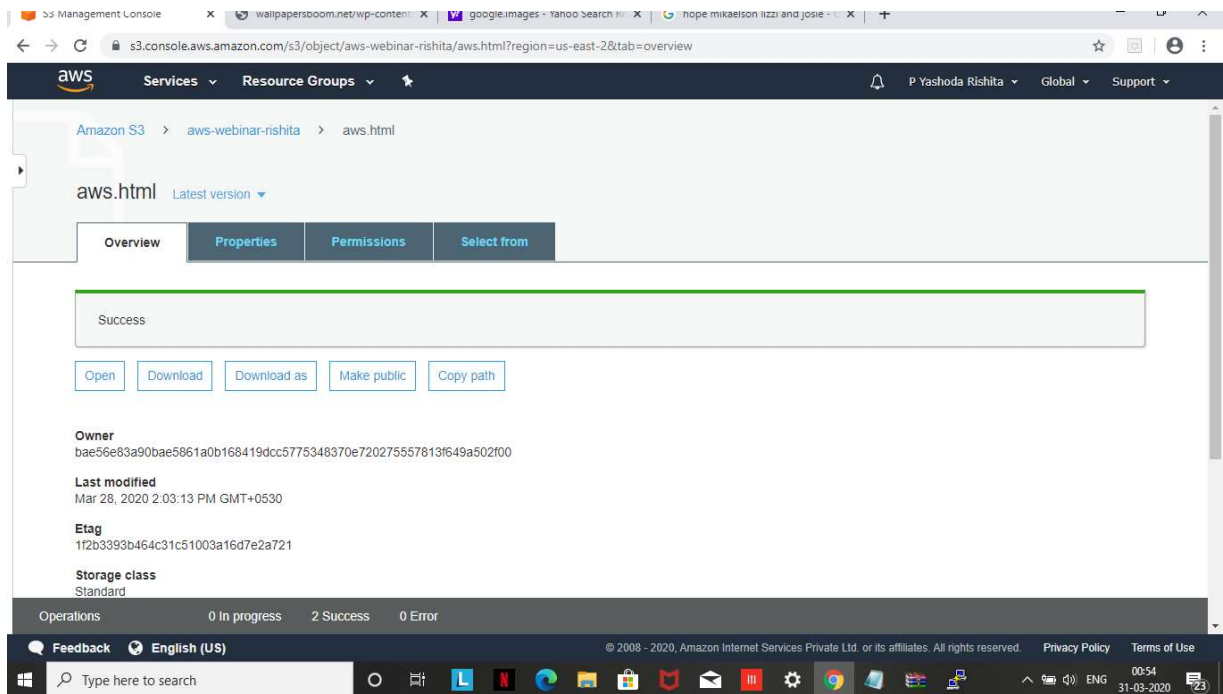
| Name       | Last modified                     | Size     | Storage class |
|------------|-----------------------------------|----------|---------------|
| aws.html   | Mar 28, 2020 2:03:13 PM GMT+0530  | 116.0 B  | Standard      |
| sample.jpg | Mar 30, 2020 11:46:41 PM GMT+0530 | 210.5 KB | Standard      |

The 'aws.html' file is highlighted with a red circle. The console also shows a search bar at the top and a feedback section at the bottom.

### 3. Enabling Static Website

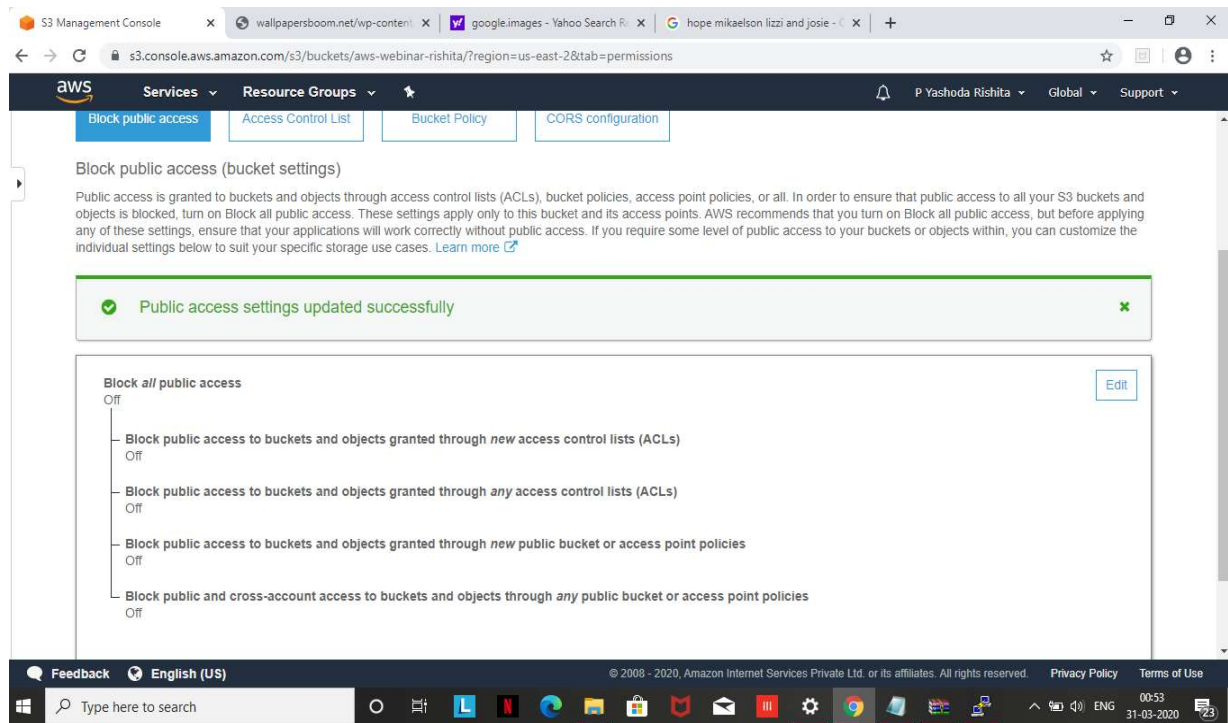


### 4. Making the Object Public

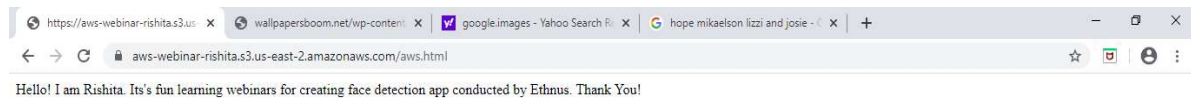




## 5. Removing Block public access(Making bucket public)

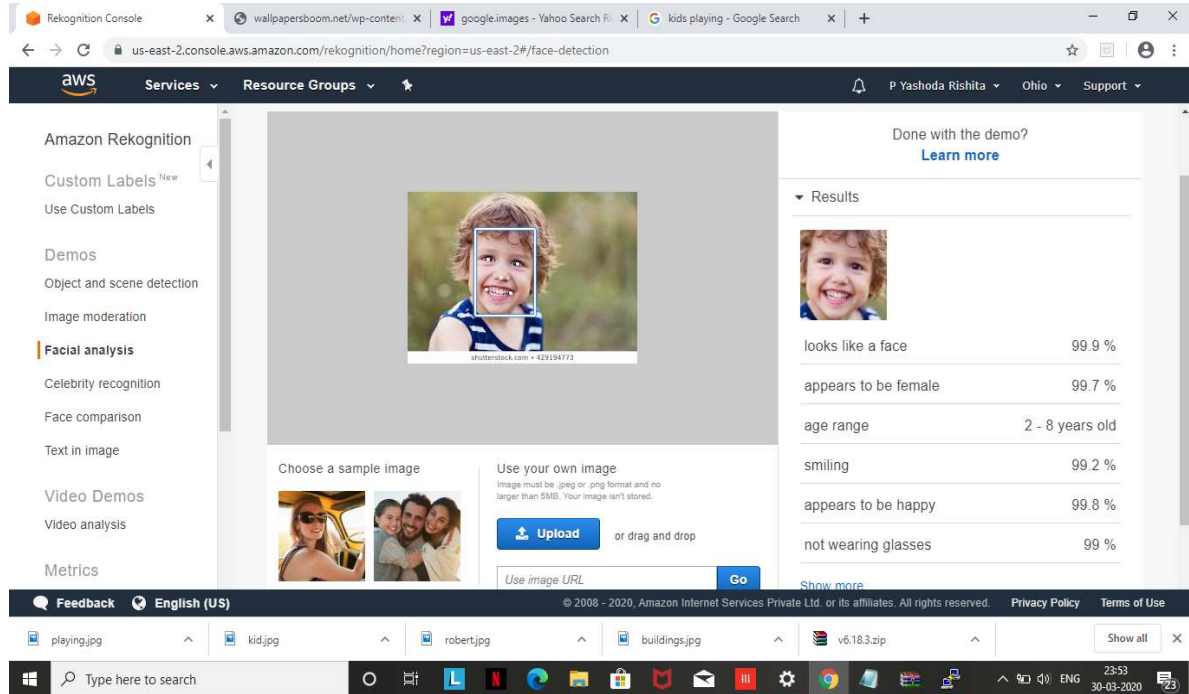


## 6. Checking the s3 link on the browser

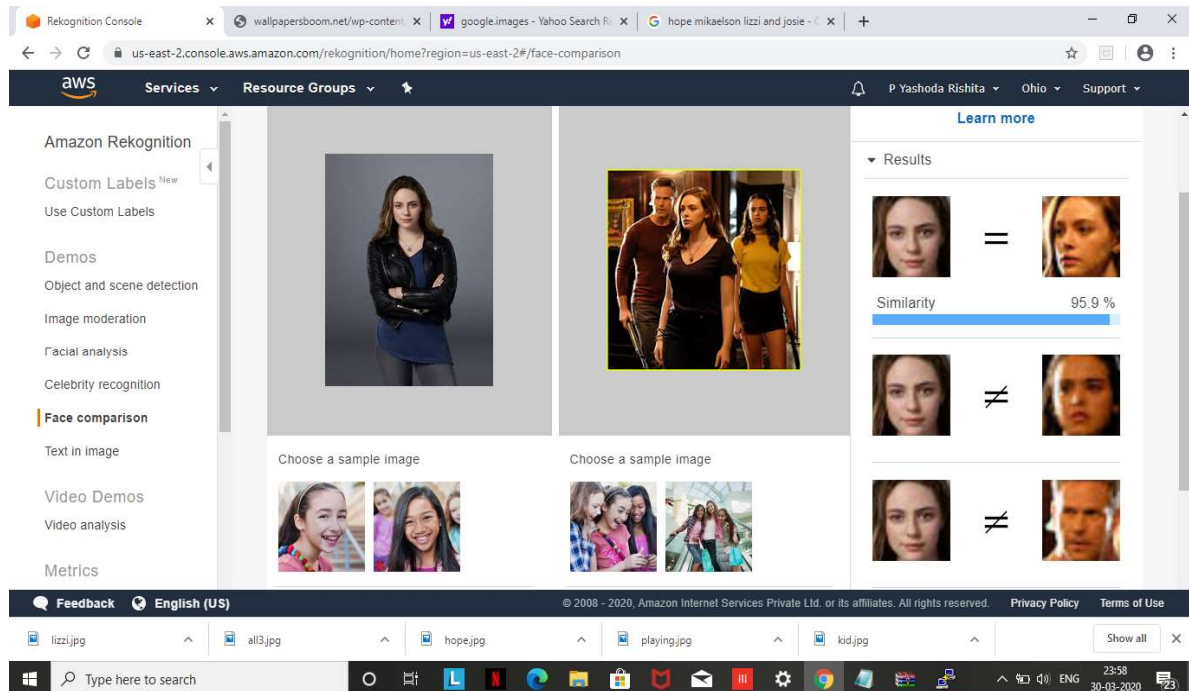


# Screenshots needed for Rekognition

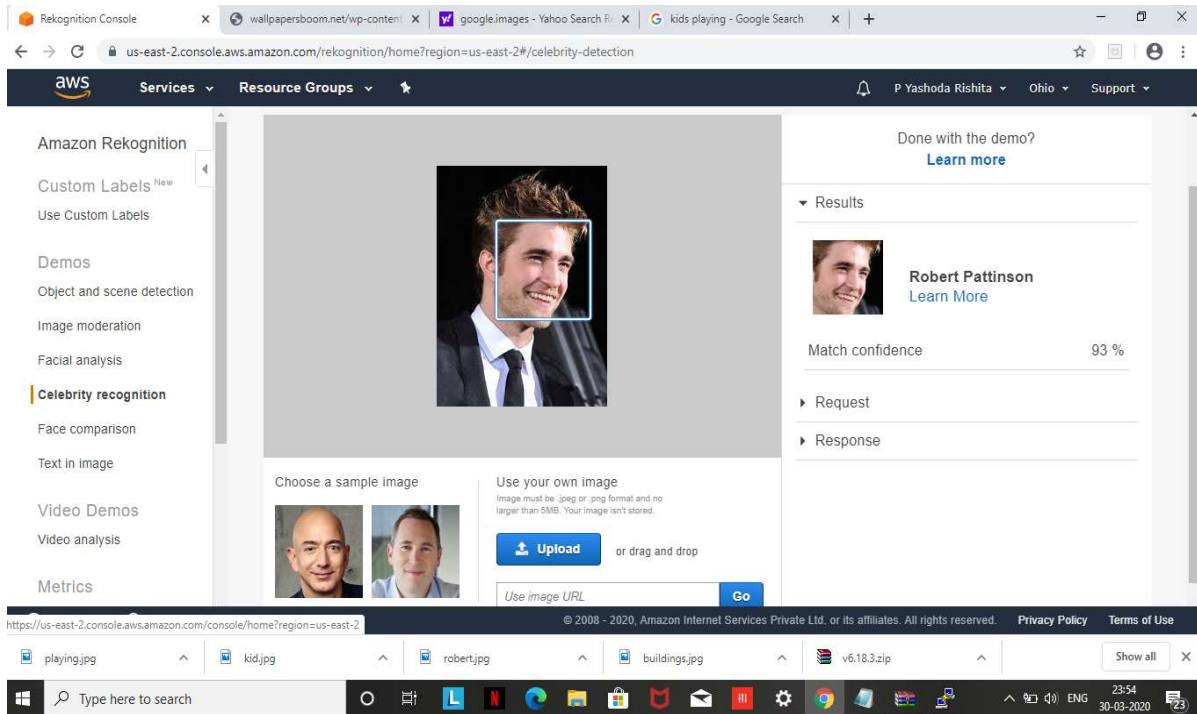
## 1.Face detect



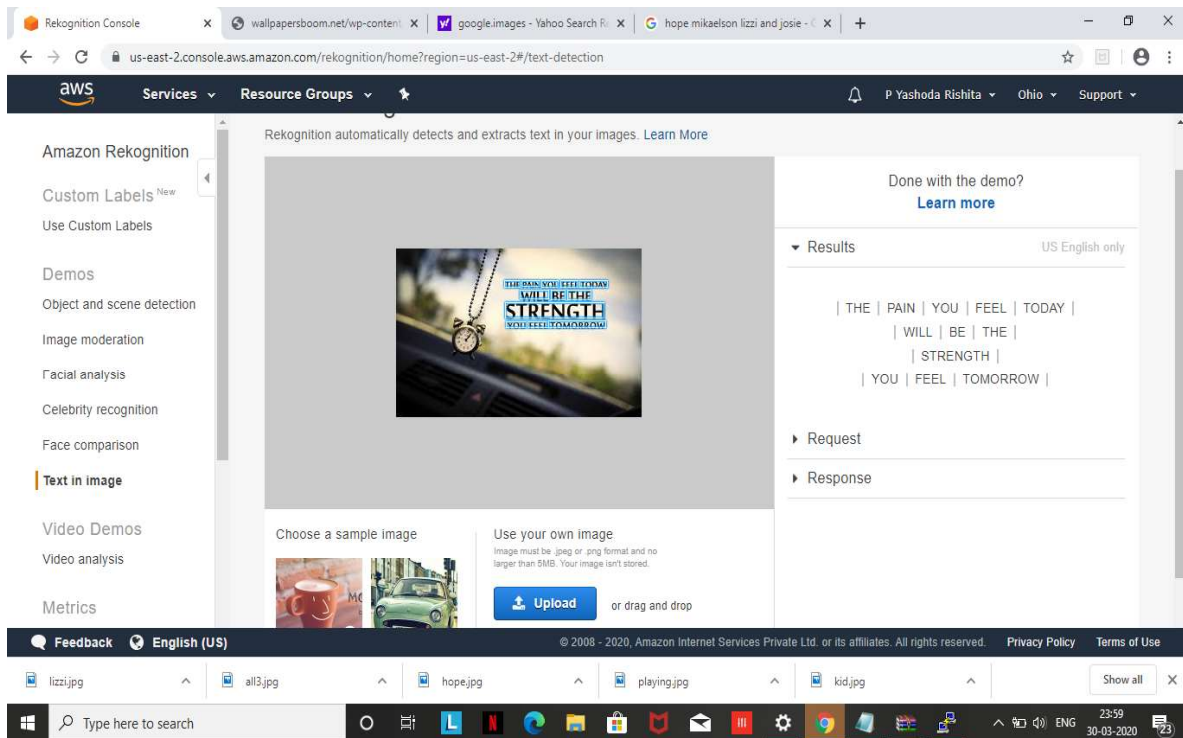
## 2.Face compare



### 3. Celebrity recognition

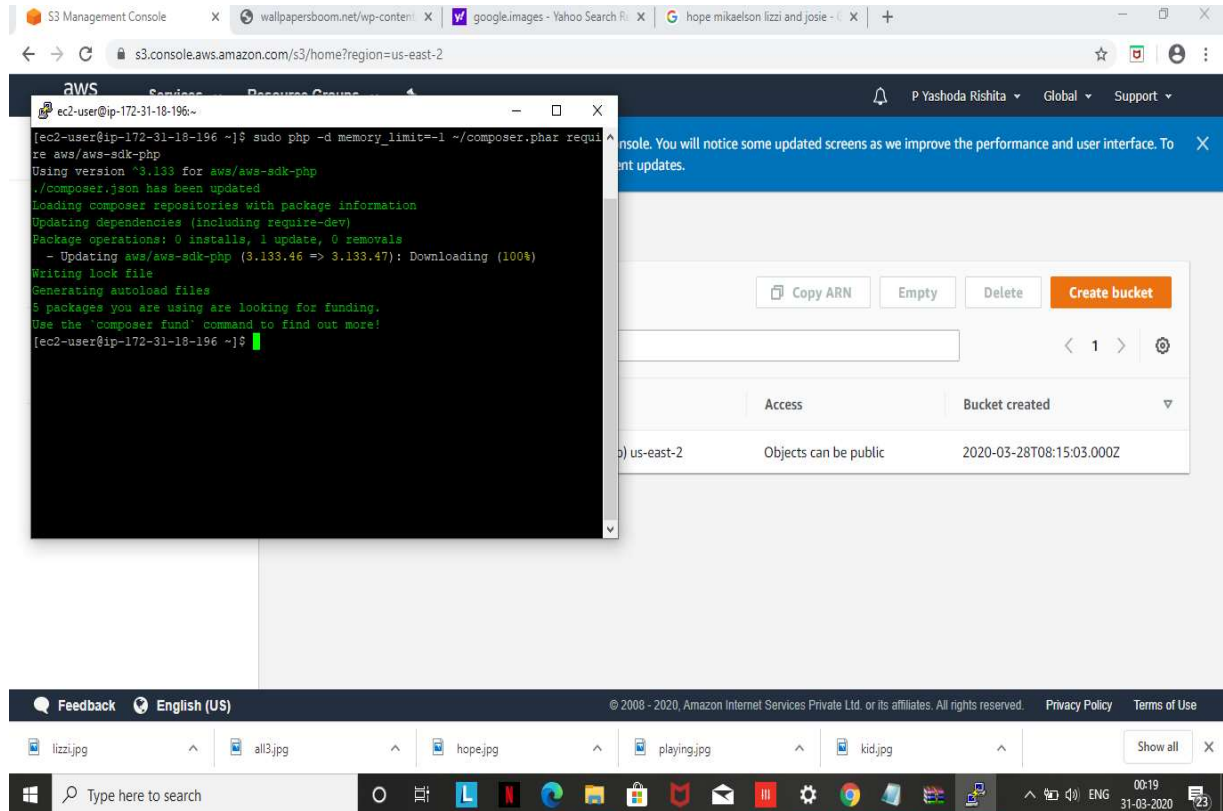


### 4. Text in image



# Screenshots for EC2 and s3

## 1.Installing aws-sdk



## 2.Installing php

The screenshot displays the AWS Management Console interface. In the foreground, a terminal window titled 'aws' shows the installation of PHP on an Amazon EC2 instance. The terminal output is as follows:

```
Installing:
php      x86_64      7.2.28-1.amzn2      amzn2extra-php7.2      2.9 M

Transaction Summary
-----
Install 1 Package

Total download size: 2.9 M
Installed size: 9.1 M
Is this ok [y/d/N]: y
Downloading packages:
php-7.2.28-1.amzn2.x86_64.rpm | 2.9 MB 00:00
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
  Installing : php-7.2.28-1.amzn2.x86_64      1/1
  Verifying  : php-7.2.28-1.amzn2.x86_64      1/1

Installed:
php.x86_64 0:7.2.28-1.amzn2

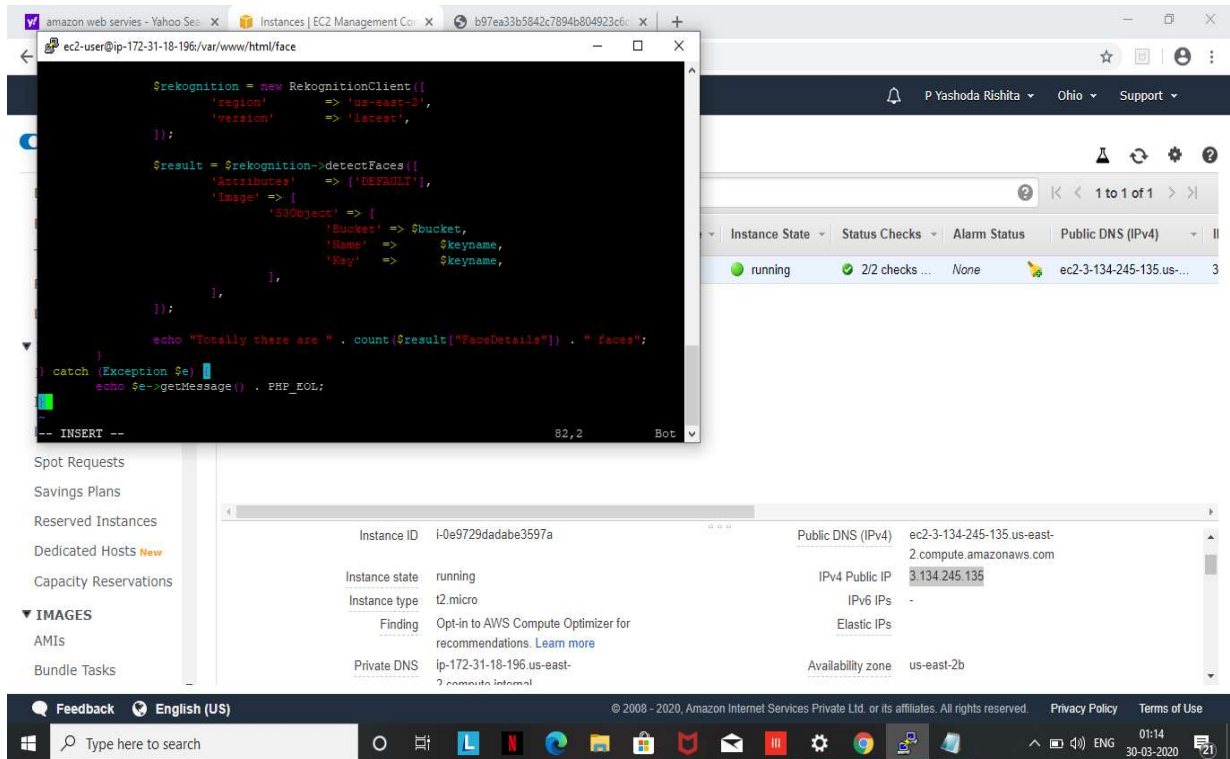
Complete!
[ec2-user@ip-172-31-18-196 ~]$
```

Below the terminal window, the console shows the instance details for '1f2b3393b464c31c51003a16d7e2a721'. The 'Storage class' is 'Standard', 'Server-side encryption' is 'None', and the 'Size' is '116.0 B'.

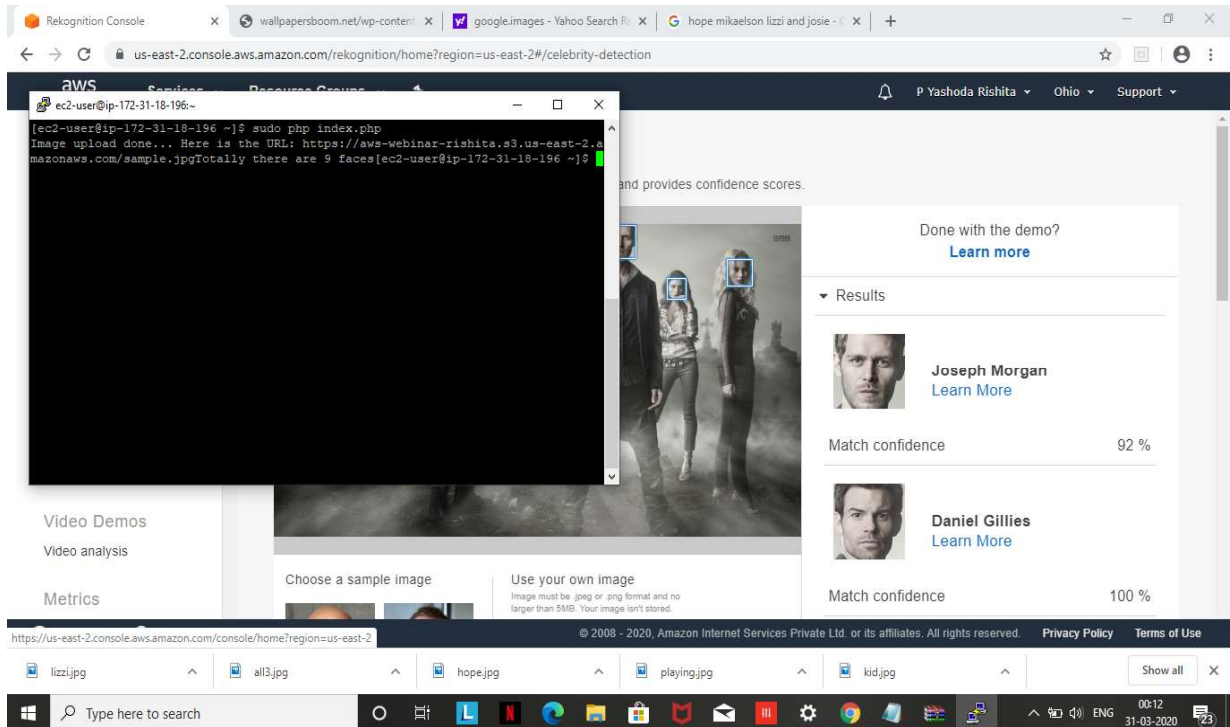
The background shows the AWS Management Console with the 'Resources' tab selected. The top navigation bar includes the AWS logo, user name 'P Yashoda Rishita', and links for 'Global' and 'Support'. The bottom status bar shows the date '01:03 31-03-2020' and language 'ENG'.



### 3.index.php file code



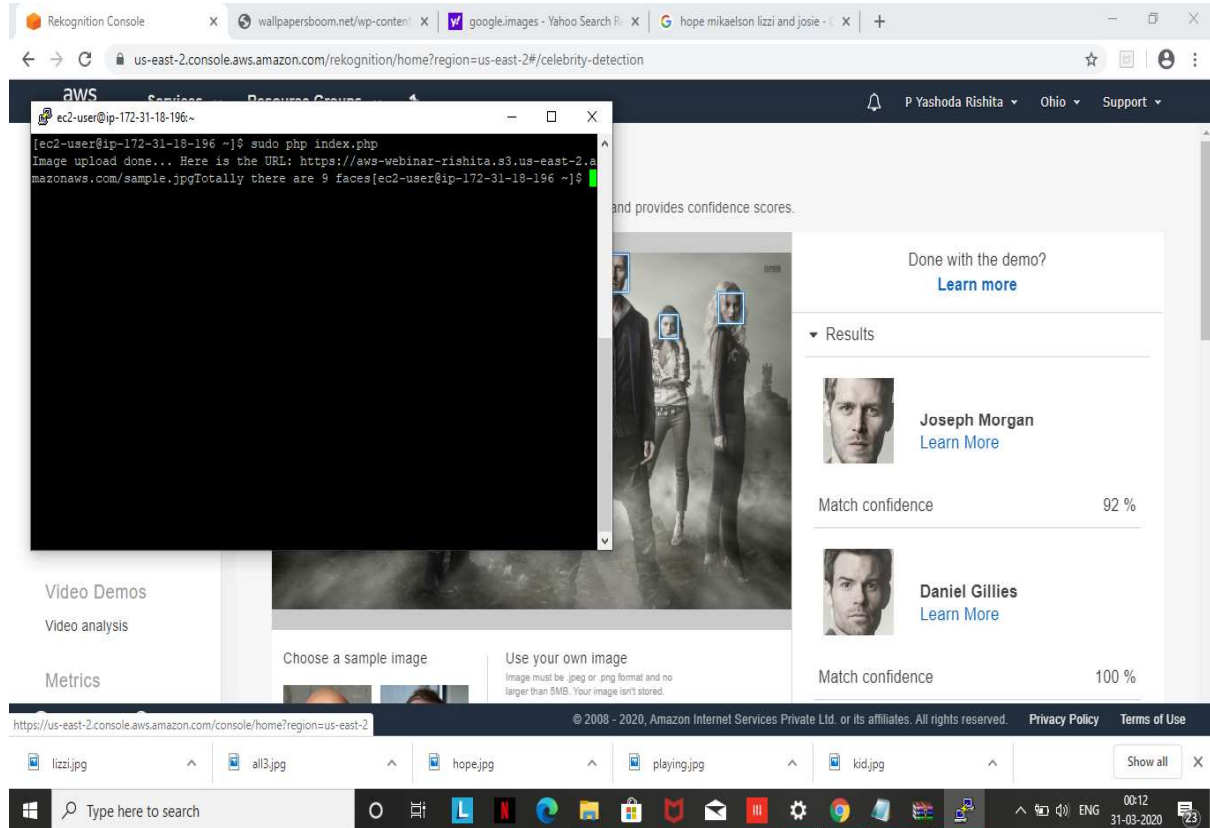
### 4.Upload Success screenshot





# Screenshot for EC2 and recognition

## 1.Face detect success screenshot



The End