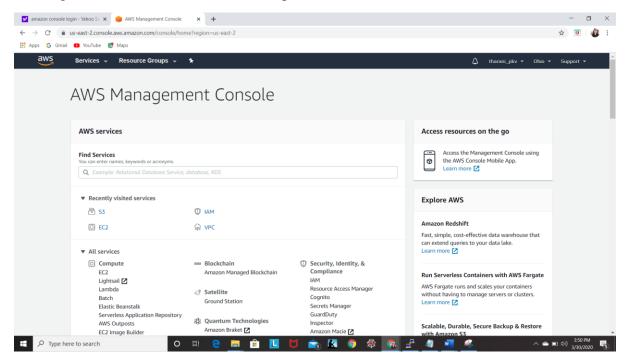
# **BUILDING A FACE DETECTION APP ON AWS**

Name: Tharani V

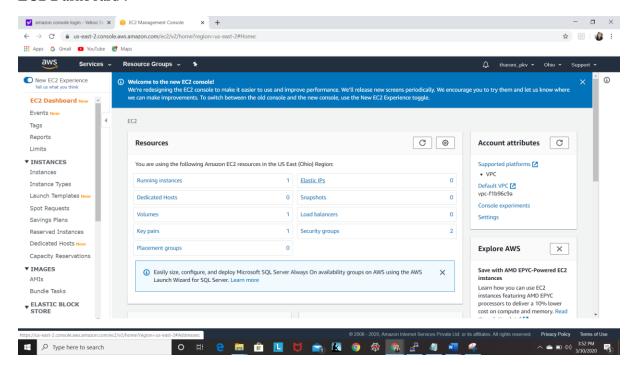
Mail\_ID: tharani.vmp@gmail.com

## **AMAZON WEB SERVICE:**

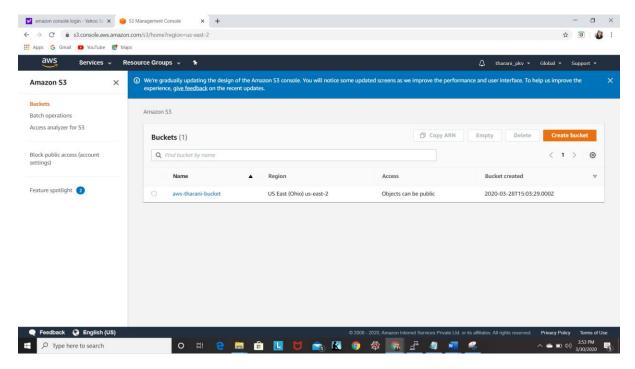
Aws login screen and username: tharani\_pkv



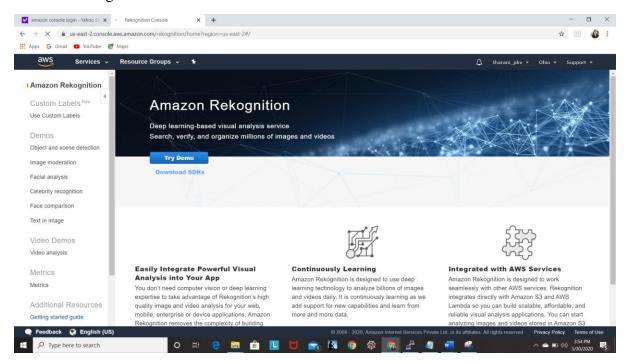
#### EC2 Dashboard:



#### S3 Dashboard:

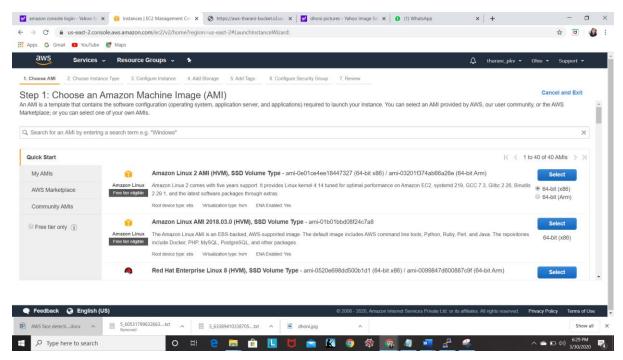


# Amazon Rekognition:

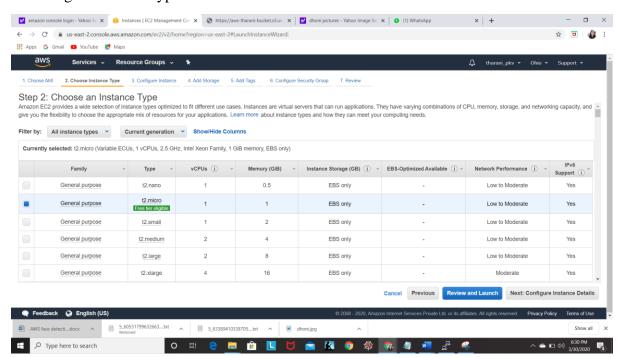


#### EC2

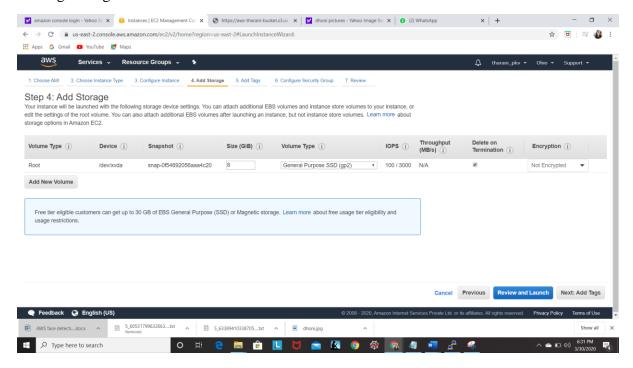
# Choosing an AMI:



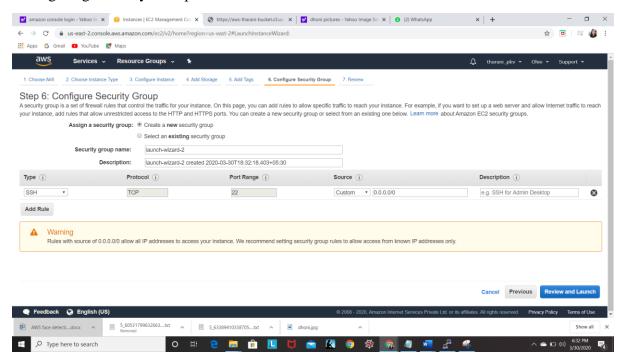
#### Choosing an Instance type:



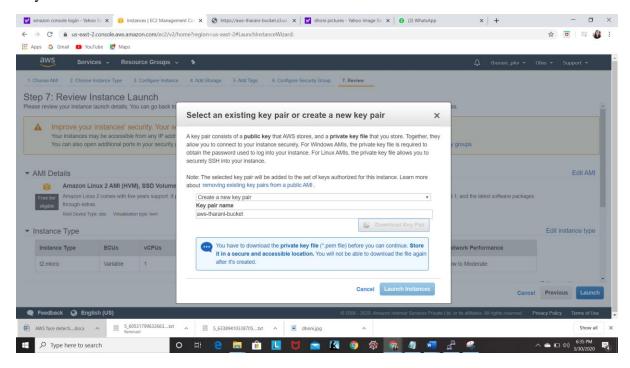
## Adding Storage:



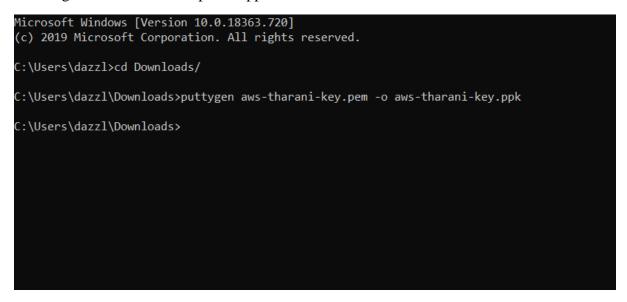
# Configuring Security Group:



## Key Pair download:



# PuTTYgen conversion from pem to ppk:



# Logged in EC2 Black Screen:

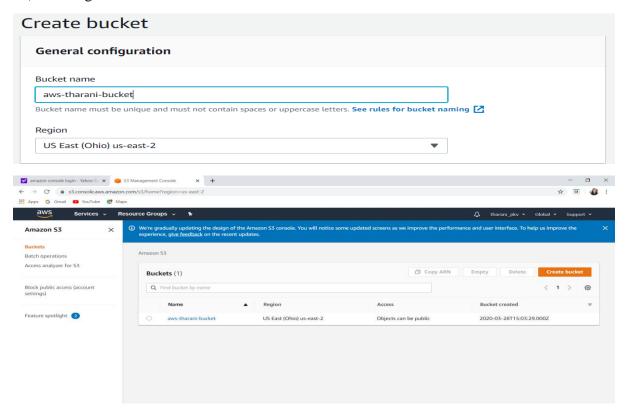
```
ec2-user@ip-172-31-42-83:~

login as: ec2-user
Authenticating with public key "imported-openssh-key"

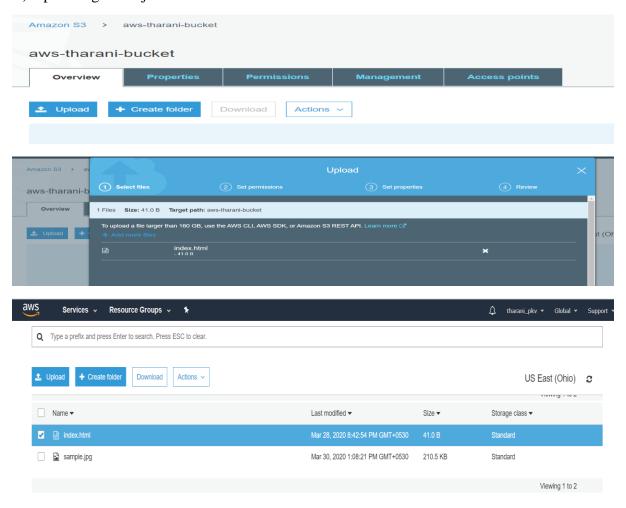
___| __| __| __| / Amazon Linux 2 AMI
___| \login | __| / Amazon Linux 2 AMI
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__| \login | Amazon Linux 2 AMI
__| \log
```

#### **S3:**

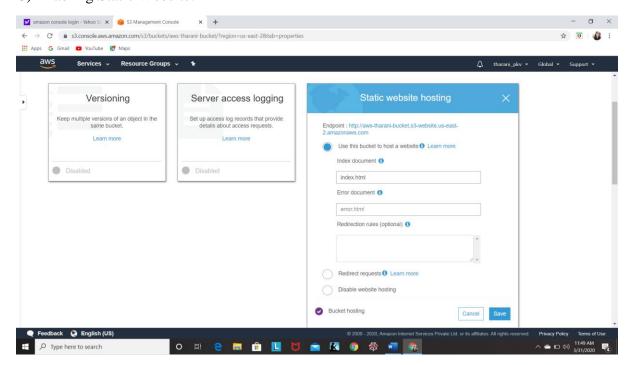
# A ) Creating a bucket: aws-tharani-bucket



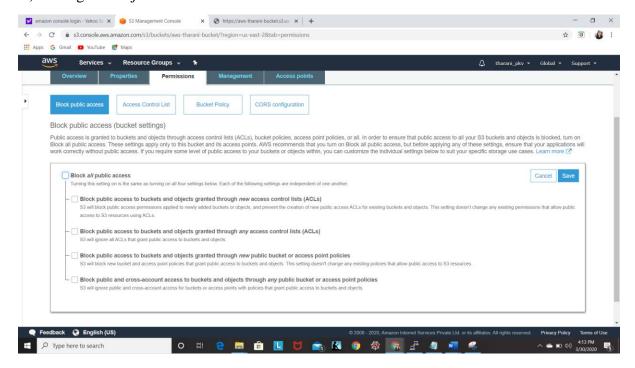
# B) Uploading an Object:



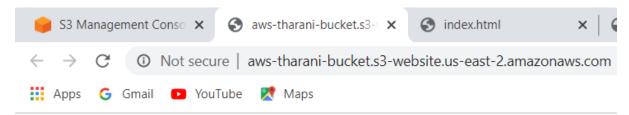
# C) Enabling Static Website:



# D)Making the Object Public:



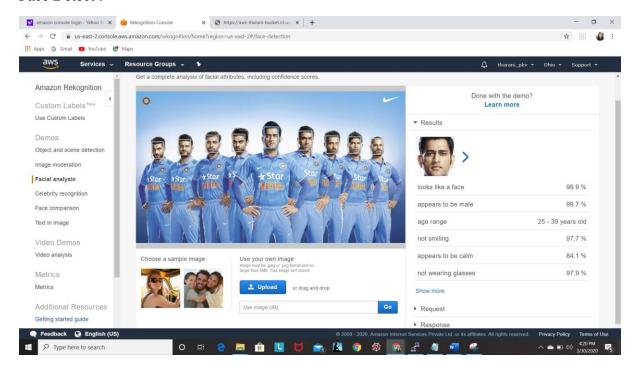
# E) Checking the S3 link on the browser:



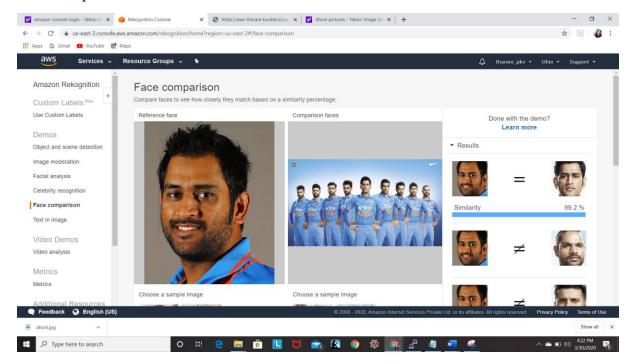
Hey, This is tharani, Iam learning aws!!!

#### **AMAZON REKOGNITION:**

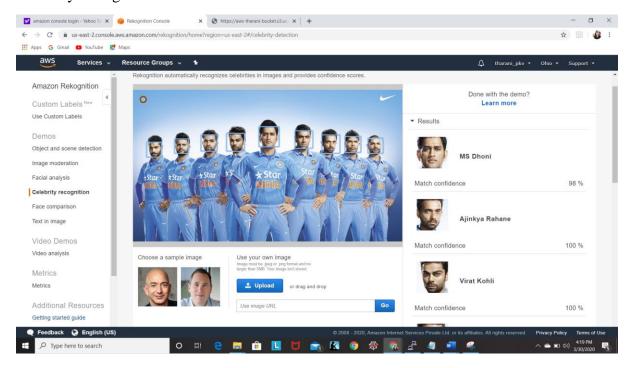
#### Face Detect:



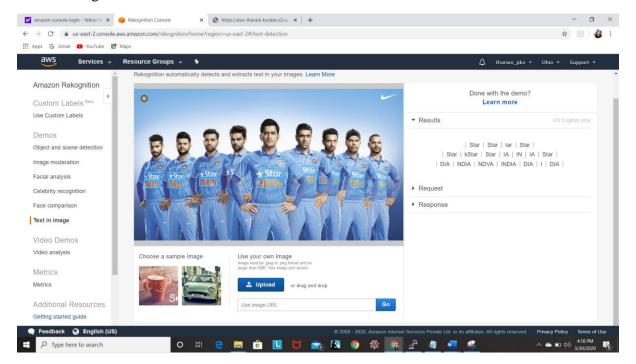
# Face Compare:



# Celebrity Recognition:



# Text in Image:



#### EC2 & S3

## Installing aws and sdk:

#### Installing php:

```
ec2-user@ip-172-31-42-83:~
                                                                                   ×
Total
                                                           22 MB/s | 4.7 MB
                                                                                00:00
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
  Installing : libzip010-compat-0.10.1-9.amzn2.0.5.x86 64
                                                                                       1/4
  Installing : php-common-5.4.16-46.amzn2.0.2.x86 64
                                                                                       2/4
  Installing: php-cli-5.4.16-46.amzn2.0.2.x86 64
                                                                                       3/4
  Installing: php-5.4.16-46.amzn2.0.2.x86 64
                                                                                       4/4
 Verifying : php-5.4.16-46.amzn2.0.2.x86_64

Verifying : libzip010-compat-0.10.1-9.amzn2.0.5.x86_64

Verifying : php-cli-5.4.16-46.amzn2.0.2.x86_64
                                                                                       1/4
                                                                                       2/4
                                                                                       3/4
  Verifying : php-common-5.4.16-46.amzn2.0.2.x86 64
                                                                                       4/4
Installed:
 php.x86 64 0:5.4.16-46.amzn2.0.2
Dependency Installed:
 libzip010-compat.x86 64 0:0.10.1-9.amzn2.0.5
  php-cli.x86_64 0:5.4.16-46.amzn2.0.2
  php-common.x86 64 0:5.4.16-46.amzn2.0.2
Complete!
[ec2-user@ip-172-31-42-83 ~]$ clear
```

## Index.php file code:

```
[ec2-user@ip-172-31-42-83 face]$ sudo vim index.php
```

#### Success screenshot:

```
login as: ec2-user
Authenticating with public key "imported-openssh-key"
Last login: Mon Mar 30 11:50:28 2020 from 223.228.132.115
                            Amazon Linux 2 AMI
https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-42-83 ~]$
[ec2-user@ip-172-31-42-83 ~]$
[ec2-user@ip-172-31-42-83 ~]$ ^C
[ec2-user@ip-172-31-42-83 ~]$ cd /var/www/html
[ec2-user@ip-172-31-42-83 html]$ cd face
[ec2-user@ip-172-31-42-83 face]$ sudo php -d memory limit=-1 ~/composer.phar req
uire aws/aws-sdk-php
Using version ^3.133 for aws/aws-sdk-php./composer.json has been updated
Loading composer repositories with package information 
Updating dependencies (including require-dev)
Nothing to install or update
 l package you are using is looking for funding.
Use the `composer fund` command to find out more!
[ec2-user@ip-172-31-42-83 face]$ sudo rm index.php
[ec2-user@ip-172-31-42-83 face]$ sudo vim index.php
[ec2-user@ip-172-31-42-83 face]$ sudo php index.php
Image upload done... Here is the URL: https://aws-tharani-bucket.s3.us-east-2.am [ec2-user@ip-172-31-42-83 face]$
```

#### **EC2 & REKOGNITION**

#### PuTTY (inactive)

```
[ec2-user@ip-172-31-42-83 face]$ sudo wget https://i.pinimg.com/originals/b9/7e/
a3/b97ea33b5842c7894b804923c6c05580.jpg
--2020-03-30 07:33:26-- https://i.pinimg.com/originals/b9/7e/a3/b97ea33b5842c78
94b804923c6c05580.jpg
Resolving i.pinimg.com (i.pinimg.com)... 151.101.248.84, 2a04:4e42:3b::84
Connecting to i.pinimg.com (i.pinimg.com) |151.101.248.84|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 215551 (210K) [image/jpeg]
Saving to: 'b97ea33b5842c7894b804923c6c05580.jpg'
100%[======>] 215,551
                                                             --.-K/s in 0.03s
2020-03-30 07:33:26 (6.15 MB/s) - `b97ea33b5842c7894b804923c6c05580.jpg' saved [
215551/2155511
[ec2-user@ip-172-31-42-83 face]$ sudo mv b97ea33b5842c7894b804923c6c05580.jpg sa
mple.jpg
[ec2-user@ip-172-31-42-83 face]$ ls
composer.json composer.lock sample.jpg vendor
[ec2-user@ip-172-31-42-83 face]$ sudo vim index.php
[ec2-user@ip-172-31-42-83 face]$ ls
composer.json composer.lock index.php sample.jpg vendor
[ec2-user@ip-172-31-42-83 face]$ sudo rm index.php
[ec2-user@ip-172-31-42-83 face]$ sudo vim index.php
[ec2-user@ip-172-31-42-83 face]$ sudo php index.php
Image upload done... Here is the URL: https://aws-tharani-bucket.s3.us-east-2.am
azonaws.com/sample.jpgTotally there are 9 faces[ec2-user@ip-172-31-42-83 face]$
```