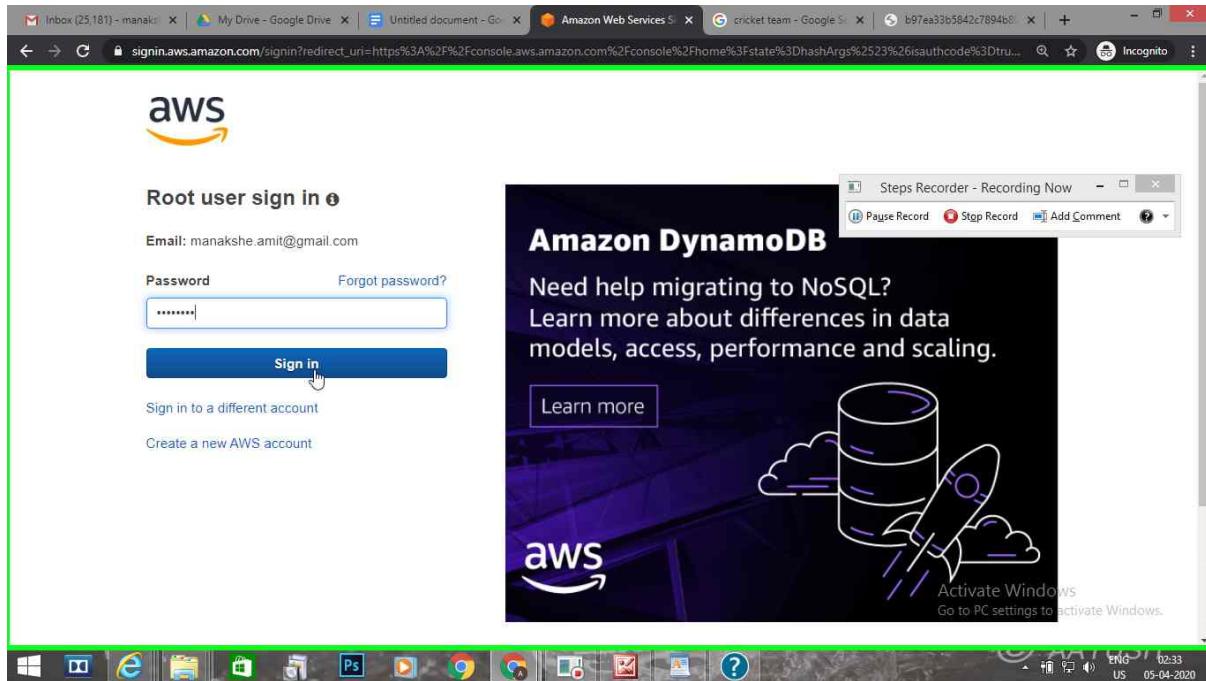
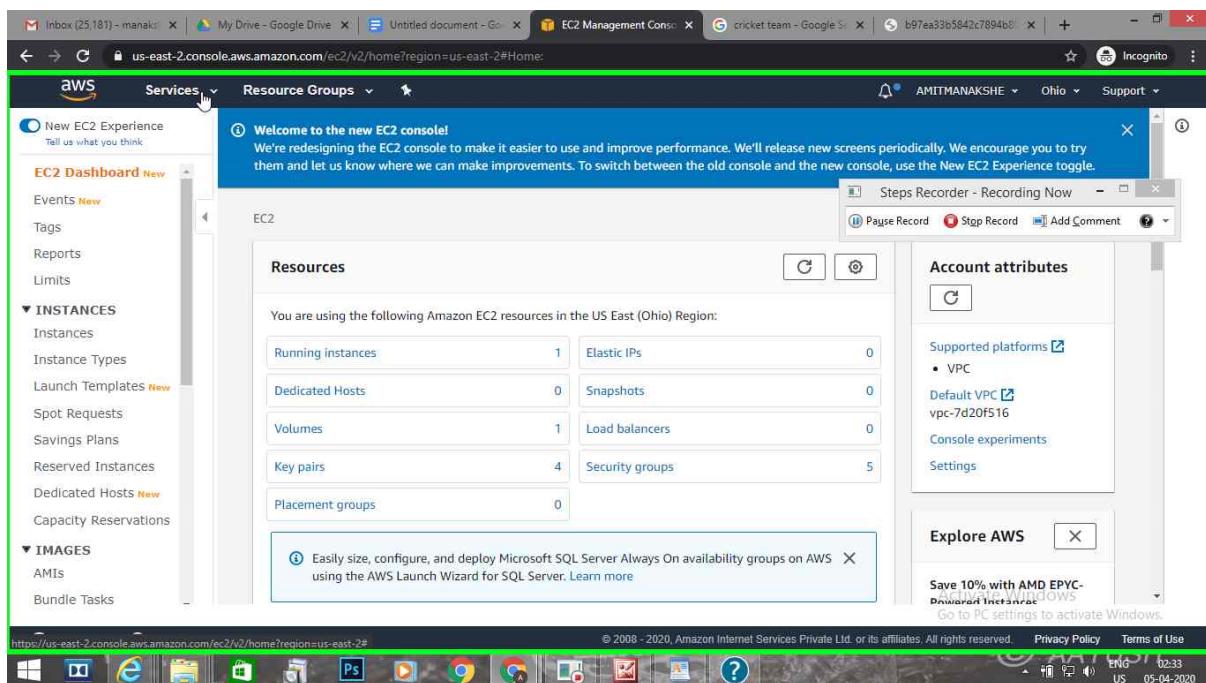


Screenshots needed for Dashboards

1. AWS Login screen with username



2. EC2 Dashboard



3. S3 Dashboard

The screenshot shows the AWS S3 Management Console interface. On the left, there's a sidebar with options like 'Buckets', 'Batch operations', 'Access analyzer for S3', 'Block public access (account settings)', and 'Feature spotlight'. The main area is titled 'Amazon S3' and shows a table of 'Buckets (3)'. The table includes columns for Name, Region, Access, and Bucket created. The details are as follows:

Name	Region	Access	Bucket created
amitfirstbkt	US East (Ohio) us-east-2	Objects can be public	2020-03-31T20:36:37.000Z
amitsecond	US East (Ohio) us-east-2	Objects can be public	2020-04-02T05:00:59.000Z
amithirdbkt	US East (Ohio) us-east-2	Objects can be public	2020-04-04T19:19:40.000Z

At the bottom, there's a status bar with the URL <https://s3.console.aws.amazon.com/s3/home?region=us-east-2#>, a Windows taskbar with various icons, and system information showing ENG, 02:34, US, 05-04-2020.

4. Rekognition Dashboard

The screenshot shows the AWS Rekognition Console interface. On the left, there's a sidebar with options like 'Custom Labels', 'Demos', 'Image moderation', 'Facial analysis', 'Celebrity recognition', 'Face comparison', 'Text in Image', 'Video Demos', 'Metrics', and 'Metrics'. The main area is titled 'Amazon Rekognition' and features a dark background with a network of nodes. It includes a 'Try Demo' button and a 'Download SDKs' button. Below this, there are three sections: 'Easily Integrate Powerful Visual Analysis into Your App', 'Continuously Learning', and 'Integrated with AWS Services'. The 'Easily Integrate' section has an icon of a stack of layers. The 'Continuously Learning' section has an icon of a brain with arrows. The 'Integrated with AWS Services' section has an icon of puzzle pieces. At the bottom, there's a status bar with the URL <https://us-east-2.console.aws.amazon.com/rekognition/home?region=us-east-2#>, a Windows taskbar with various icons, and system information showing ENG, 02:34, US, 05-04-2020.

Screenshots needed for EC2

1. Choosing an AMI

The screenshot shows the AWS Launch Instance Wizard Step 1: Choose an Amazon Machine Image (AMI). The interface includes a search bar, a sidebar with 'Quick Start' options like 'My AMIs', 'AWS Marketplace', and 'Community AMIs', and a main list of AMIs. Two AMIs are listed:

- Amazon Linux 2 AMI (HVM), SSD Volume Type** - ami-0e01ce4ee18447327 (64-bit x86) / ami-03201f374ab66a2e6 (64-bit Arm)
Free tier eligible
Amazon Linux 2 comes with five years support. It provides Linux kernel 4.14 tuned for optimal performance on Amazon EC2, systemd 219, GCC 7.3, Glibc 2.26, Binutils 2.29.1, and the latest software packages through extras.
Root device type: ebs Virtualization type: hvm ENA Enabled: Yes
- Amazon Linux AMI 2018.03.0 (HVM), SSD Volume Type** - ami-01b01bbd08f24c7a8
Amazon Linux 2018.03.0 (HVM) is an EBS-backed, AWS-supported image. The default image includes AWS command line tools, Python, Ruby, Perl, and Java. The repositories include Docker, PHP, MySQL, PostgreSQL, and other packages.
Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

A 'Select' button is visible next to the first AMI. The bottom of the screen shows the Windows taskbar with various icons.

2. Choosing an Instance Type

The screenshot shows the AWS Launch Instance Wizard Step 2: Choose an Instance Type. The interface includes a filter for 'All instance types' and a table of instance types:

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

A 'Review and Launch' button is visible at the bottom right. The bottom of the screen shows the Windows taskbar with various icons.

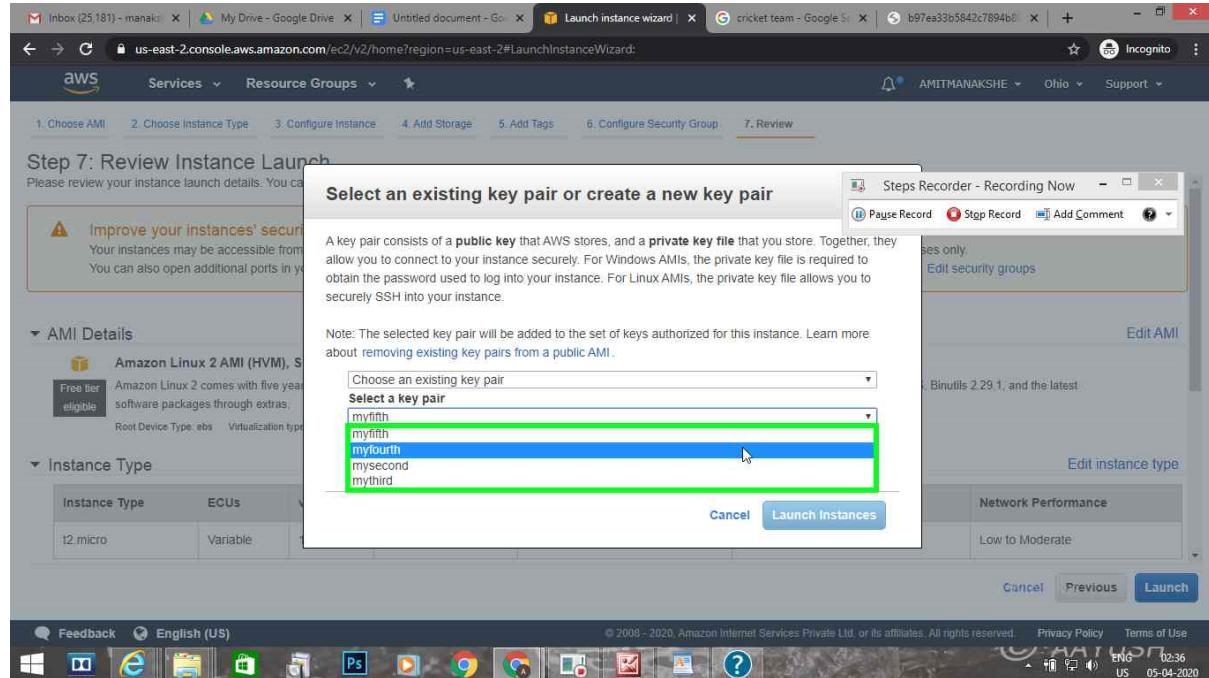
3. Adding Storage

The screenshot shows the AWS Launch Instance Wizard at Step 4: Add Storage. The page title is "Step 4: Add Storage". It displays storage device settings for a root volume. The root volume is set to General Purpose SSD (gp2) with a size of 8 GiB. Other columns include Volume Type, Device, Snapshot, Size (GiB), Volume Type, IOPS, Throughput (MB/s), Delete on Termination, and Encryption. A note states: "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." Navigation tabs at the top include Choose AMI, Choose Instance Type, Configure Instance, Add Storage (highlighted in yellow), Add Tags, Configure Security Group, and Review.

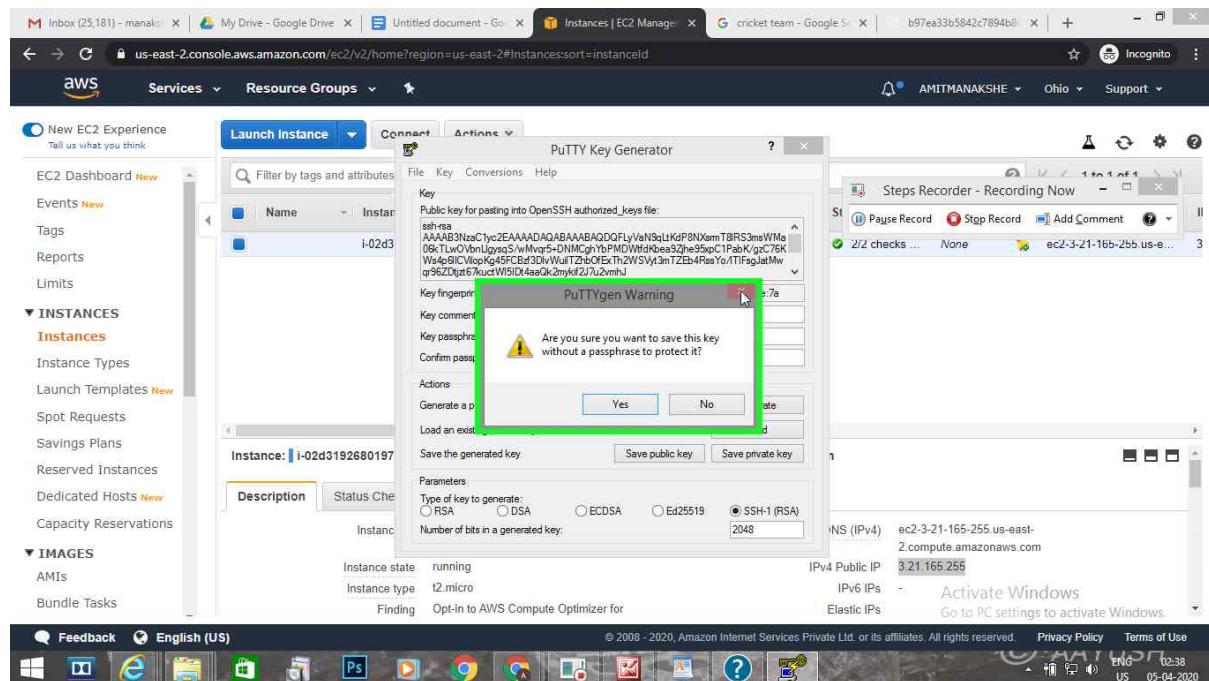
4. Configuring Security Group

The screenshot shows the AWS Launch Instance Wizard at Step 6: Configure Security Group. The page title is "Step 6: Configure Security Group". It explains that a security group controls traffic to the instance. A warning message says: "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." The "Assign a security group" section has two options: "Create a new security group" (selected) and "Select an existing security group". A new security group named "launch-wizard-5" is being created. The "Description" field shows the creation timestamp. A table lists a single rule: Type (SSH), Protocol (TCP), Port Range (22), Source (Custom, 0.0.0.0/0), and Description (e.g. SSH for Admin Desktop). Navigation tabs at the top include Choose AMI, Choose Instance Type, Configure Instance, Add Storage, Add Tags, Configure Security Group (highlighted in yellow), and Review.

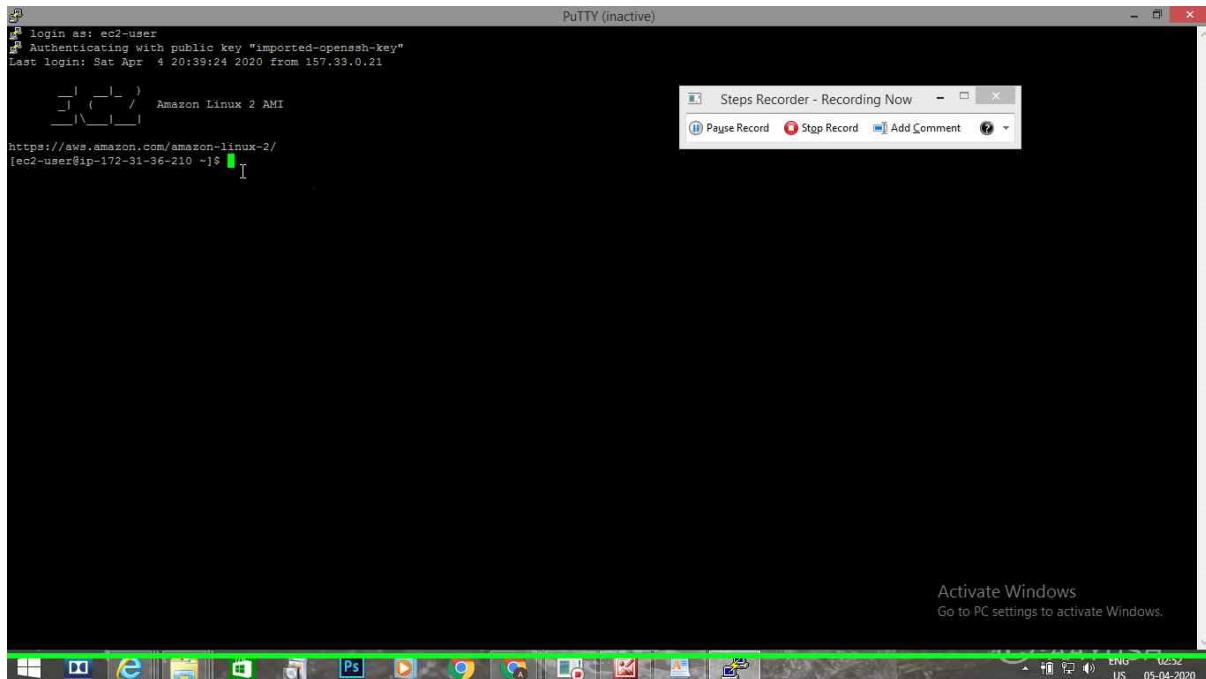
5. Key Pair Download



6. PuTTYgen conversion from pem to ppk

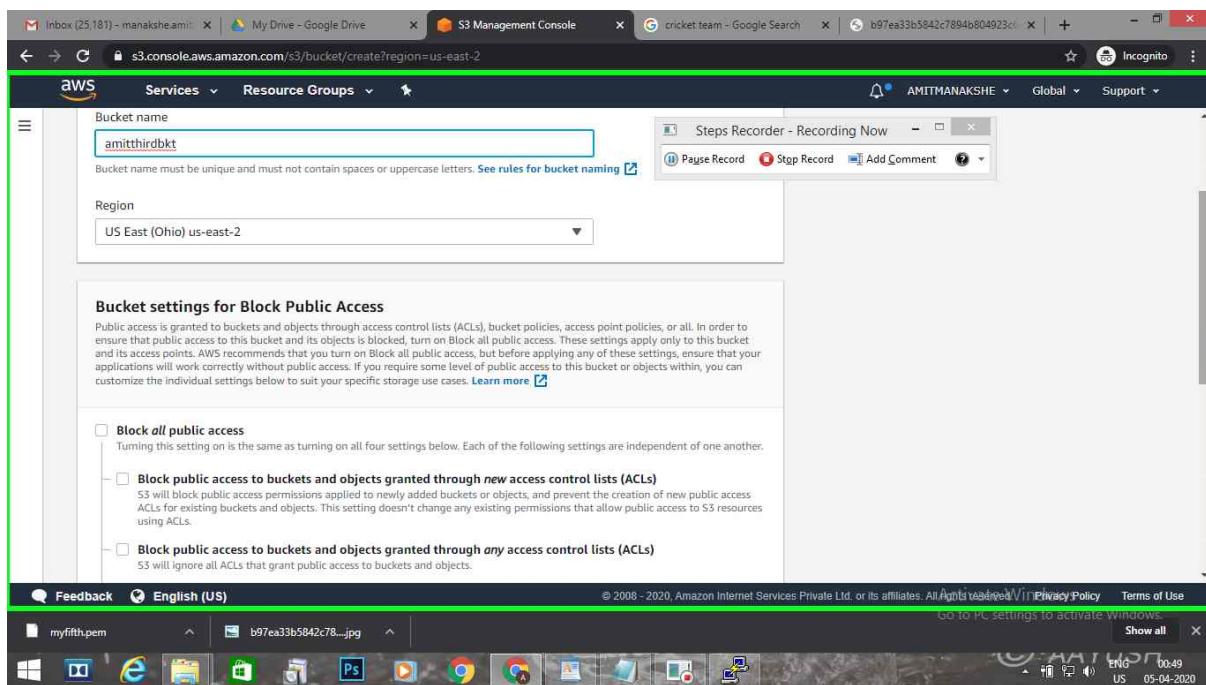


7. Logged in EC2 black screen

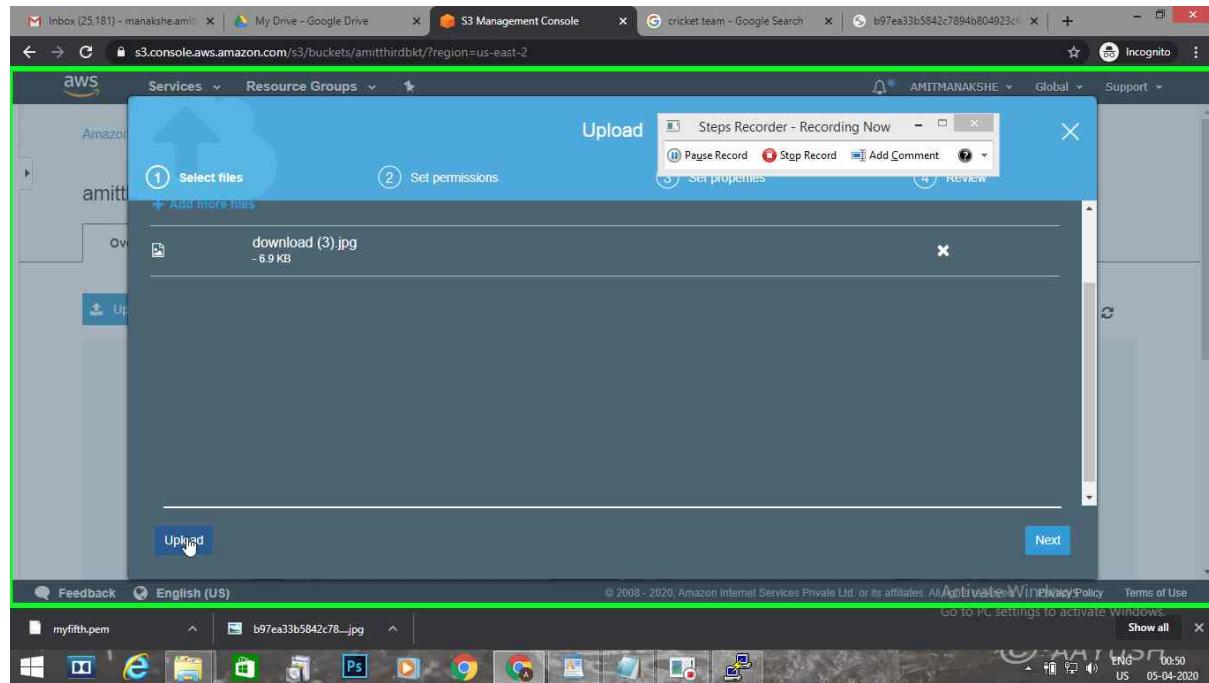


Screenshots needed for S3

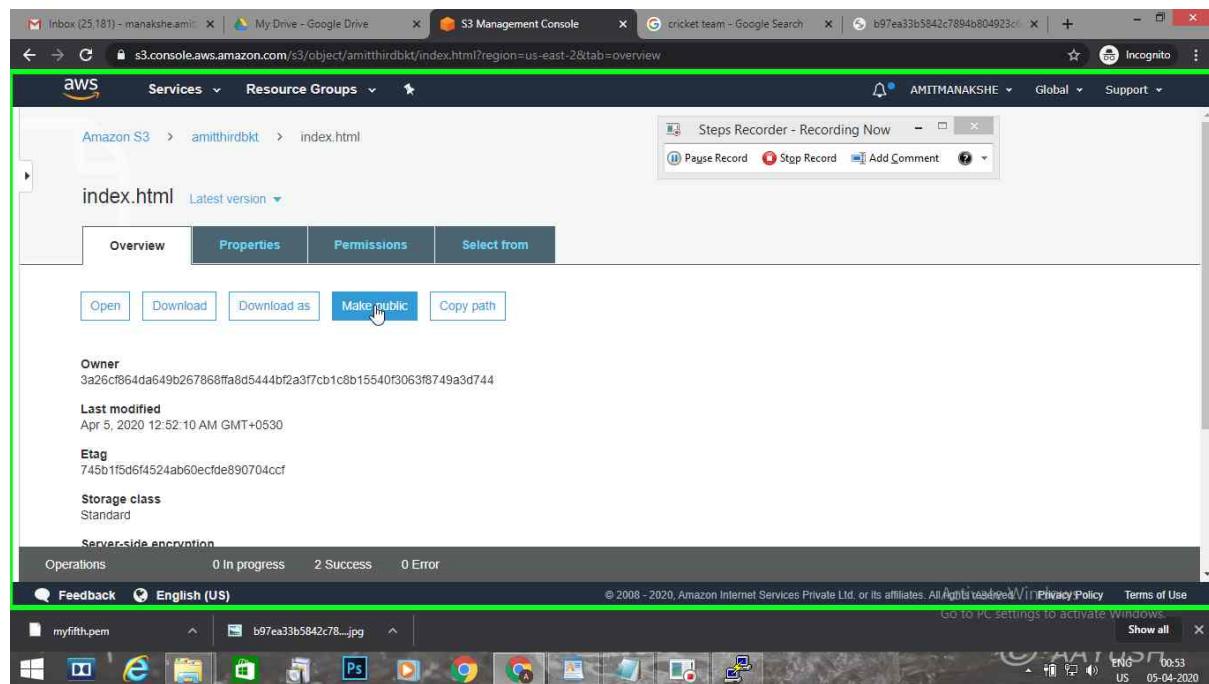
1. Creating a bucket



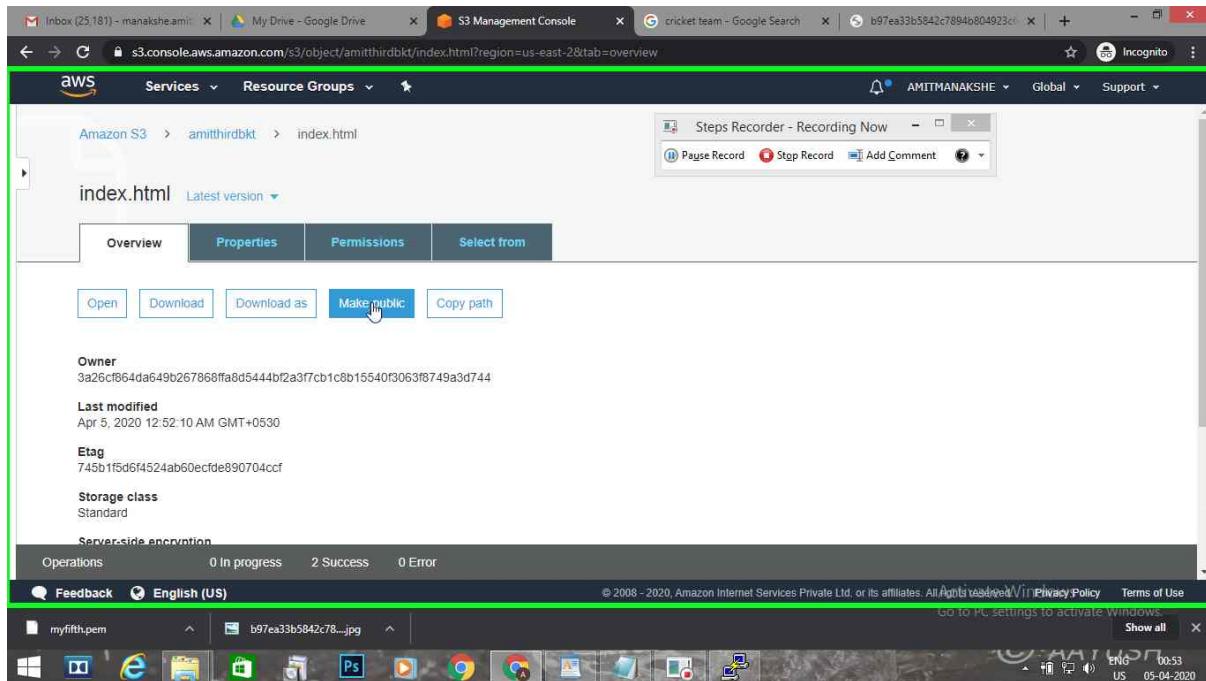
2. Uploading an Object



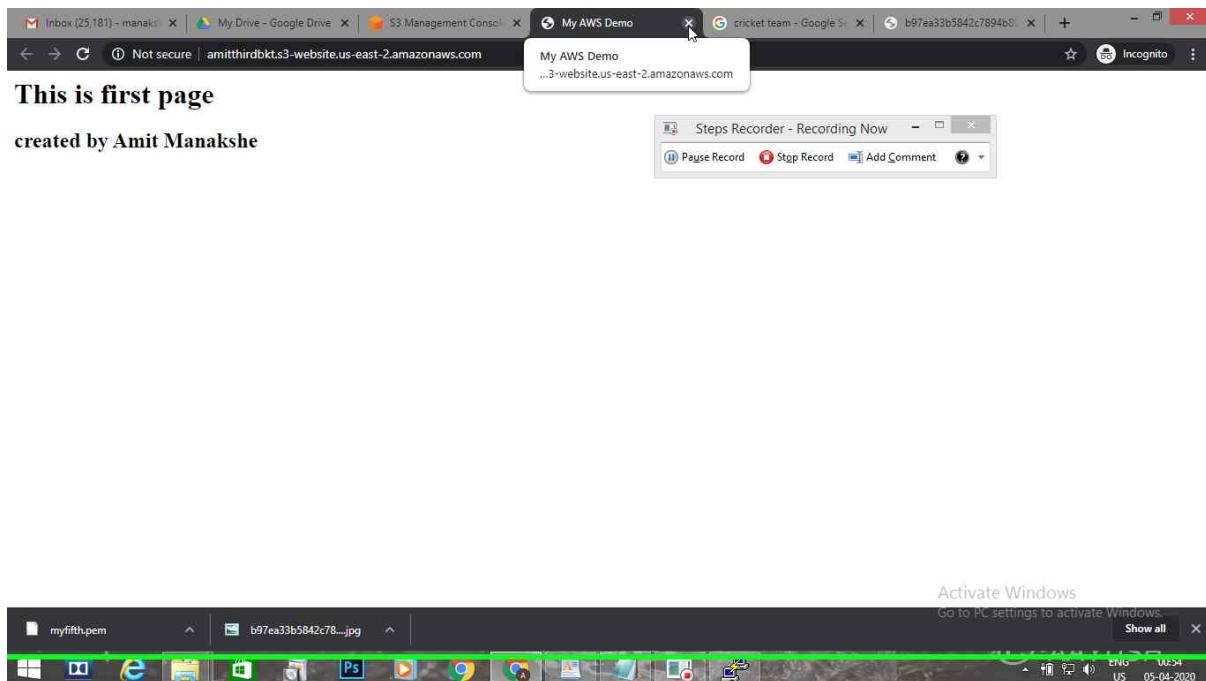
3. Enabling Static Website



4. Making the Object Public

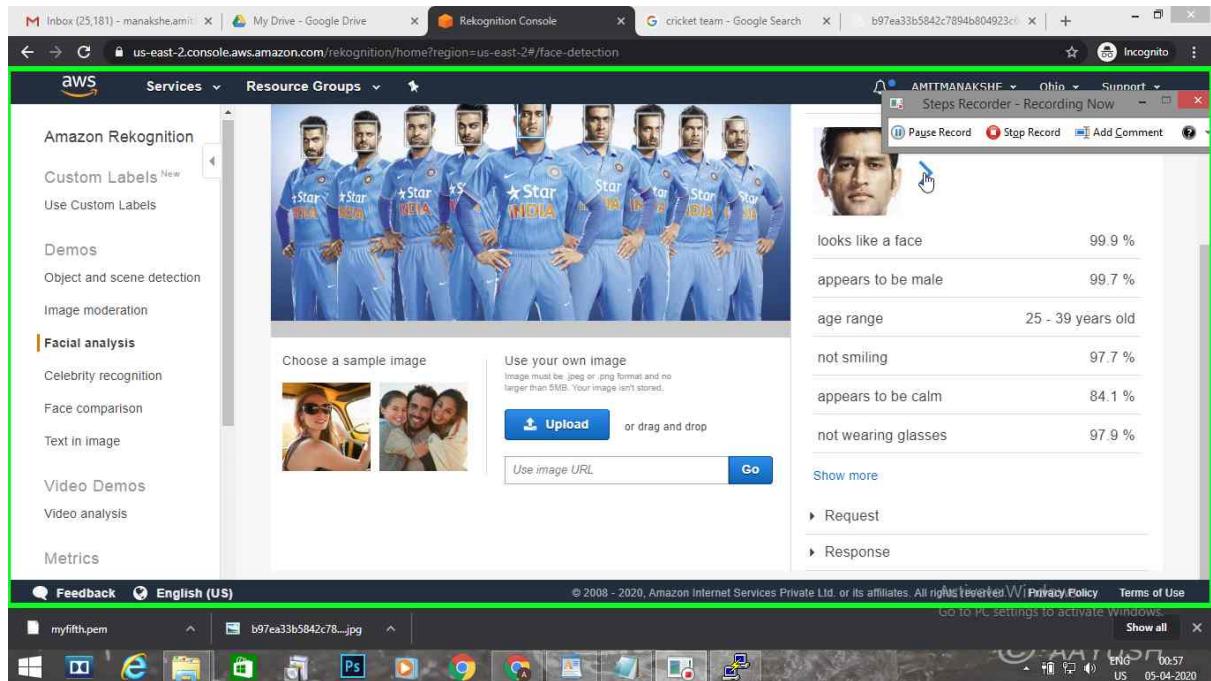


5. Checking the S3 link on the browser

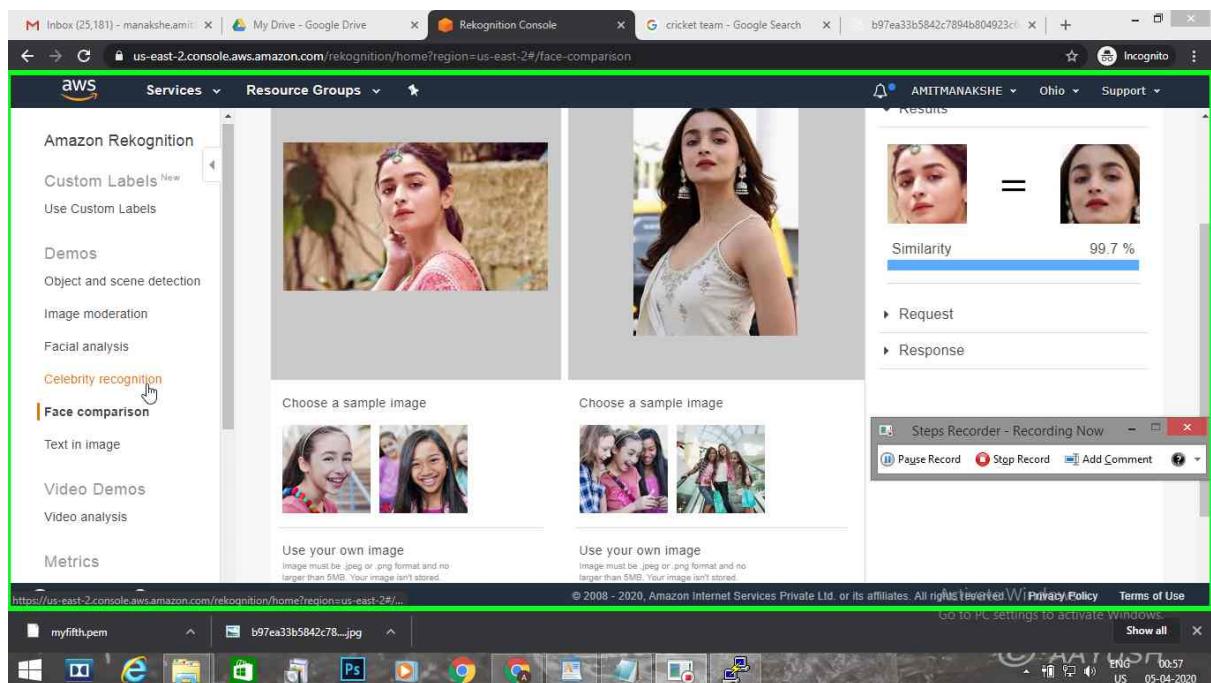


Screenshots needed for Rekognition

1. Face Detect



2. Face Compare



3. Celebrity Recognition

The screenshot shows the Amazon Rekognition service in the AWS console. On the left sidebar, under 'Celebrity recognition', the 'Text in image' option is selected. In the main area, a sample image of Alia Bhatt is shown with a bounding box around her face. Below it, there's a section for 'Choose a sample image' with two small thumbnail images of men, and a 'Use your own image' section with a file upload input field. To the right, the 'Results' panel displays a result for 'Alia Bhatt' with a confidence score of 98%. A 'Steps Recorder' window is also visible at the bottom right.

4. Text in Image

The screenshot shows the Amazon Rekognition service in the AWS console. The 'Text in image' option is selected in the sidebar. A file browser window is open over the interface, showing a folder named 'DAA' containing several image files. In the main area, a sample image featuring text such as 'IT'S', 'MONDAY', 'but', 'keep', and 'Smiling' is analyzed. The 'Results' panel on the right lists the detected text segments with their bounding boxes. A 'Steps Recorder' window is visible at the bottom right.

Screenshots needed for EC2 & S3

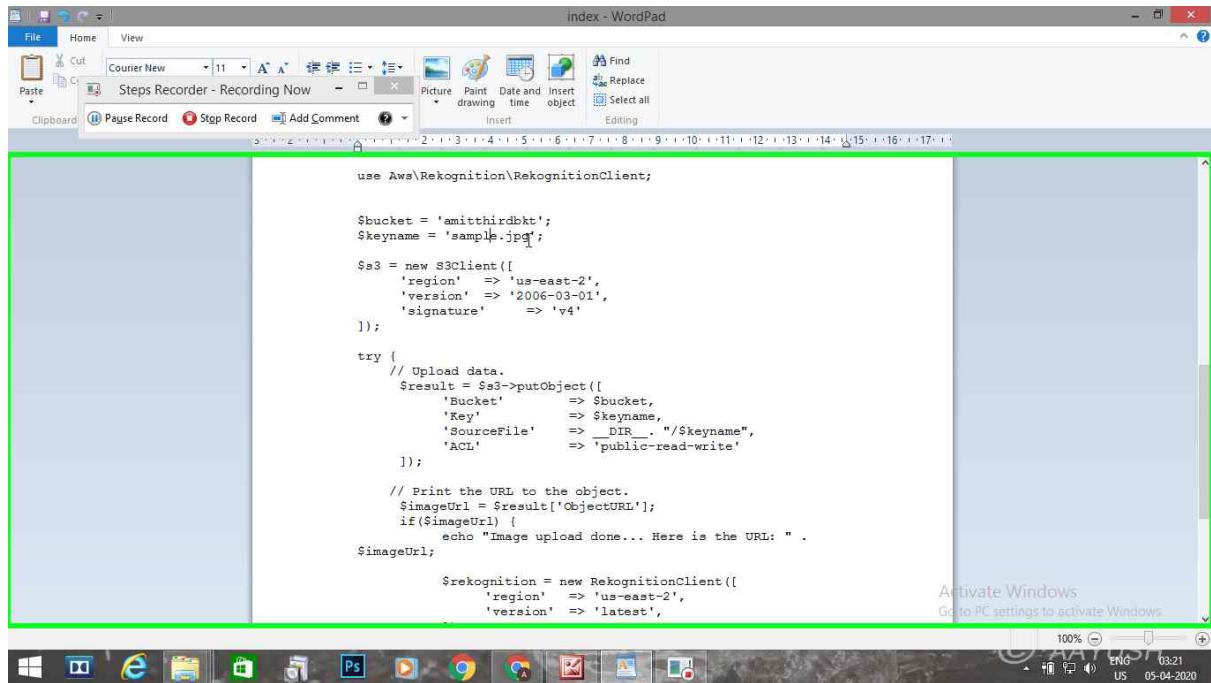
1. Installing aws-sdk

A screenshot of a Windows desktop environment. In the foreground, a terminal window titled 'Steps Recorder - Recording Now' is open, showing the command: 'ec2-user@ip-172-31-36-210:~\$ sudo php -d memory_limit=-1 ~/composer.phar require aws/aws-sdk-php'. The terminal window has a dark background with white text. A recording overlay from 'Steps Recorder' is visible at the top right of the terminal window. The desktop taskbar at the bottom shows various icons for applications like File Explorer, Edge, and Photoshop. The system tray indicates the date as 05-04-2020.

2. Installing php

A screenshot of a Windows desktop environment. In the foreground, a terminal window titled 'Steps Recorder - Recording Now' is open, showing the output of a 'yum' command: 'ec2-user@ip-172-31-36-210:~\$ sudo yum uninstall php'. The terminal window has a dark background with white text. A recording overlay from 'Steps Recorder' is visible at the top right of the terminal window. The desktop taskbar at the bottom shows various icons for applications like File Explorer, Edge, and Photoshop. The system tray indicates the date as 05-04-2020.

3. index.php file code



```
use Aws\Rekognition\RekognitionClient;

$bucket = 'amitthirdbkt';
$keyname = 'sample.jpg';

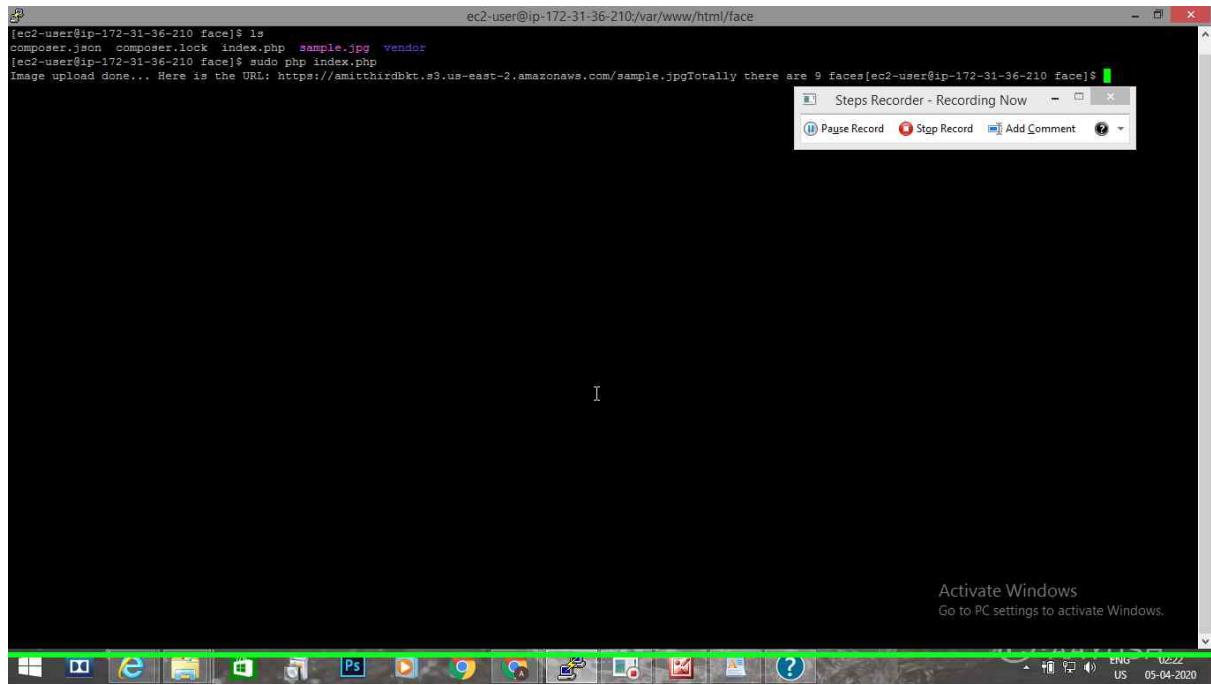
$s3 = new S3Client([
    'region' => 'us-east-2',
    'version' => '2006-03-01',
    'signature' => 'v4'
]);

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

    // Print the URL to the object.
    $imageUrl = $result['ObjectURL'];
    if($imageUrl) {
        echo "Image upload done... Here is the URL: " .
        $imageUrl;
    }
}

$rekognition = new RekognitionClient([
    'region' => 'us-east-2',
    'version' => 'latest',
```

4. Upload success screenshot



```
[ec2-user@ip-172-31-36-210 Face]$ ls
composer.json composer.lock index.php sample.jpg vendor
[ec2-user@ip-172-31-36-210 Face]$ sudo php index.php
Image upload done... Here is the URL: https://amitthirdbkt.s3.us-east-2.amazonaws.com/sample.jpgTotally there are 9 faces[ec2-user@ip-172-31-36-210 face]$
```

Screenshots needed for EC2 & Rekognition

1. Face Detect success screenshot

