D Y PATIL INTERNATIONAL UNIVERSITY
AKURDI PUNE

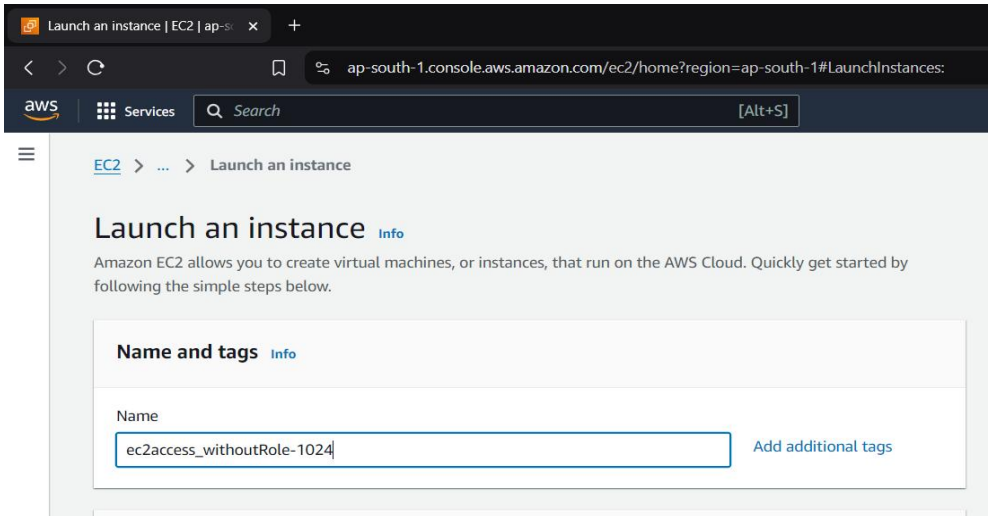
School of Computer Science, Engineering and Applications(SCSEA)
B.C.A. TY (CCSA)
Subject : Infrastructure Orchestration (P)

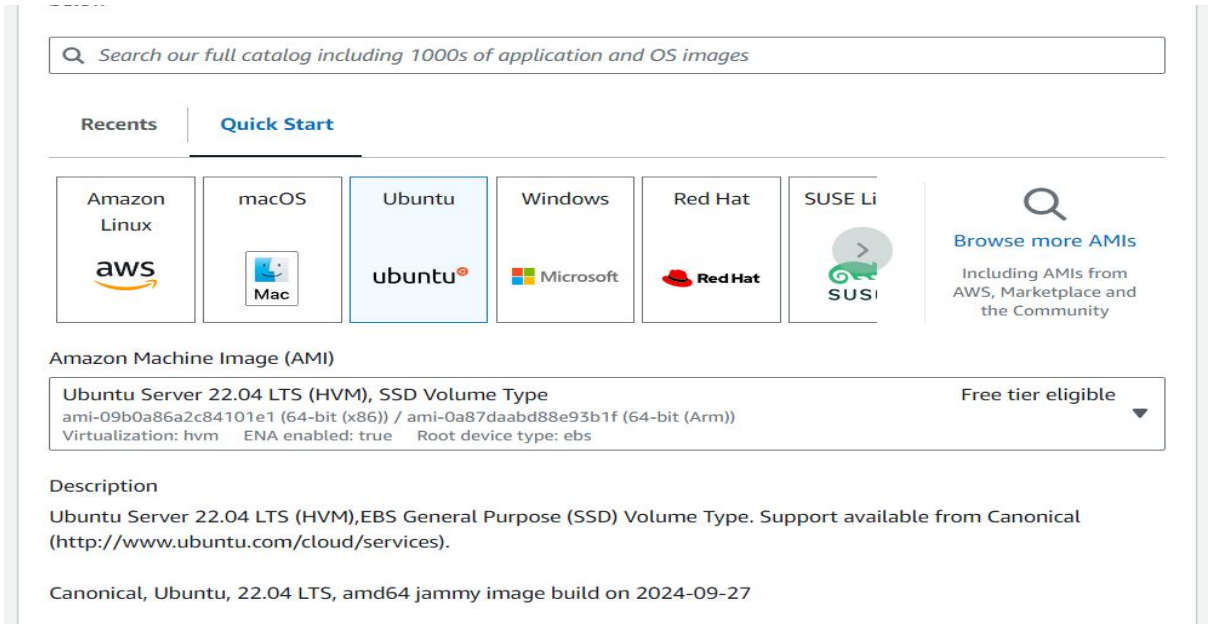
Name of the Student: Shrushti Krishna Shrivastav **PRN:** 20220801024

Title of Practical : Enabling EC2 Instance Access to S3 Buckets

Without IAM role

Step 1 – Create an EC2 instance and connect it via SSH





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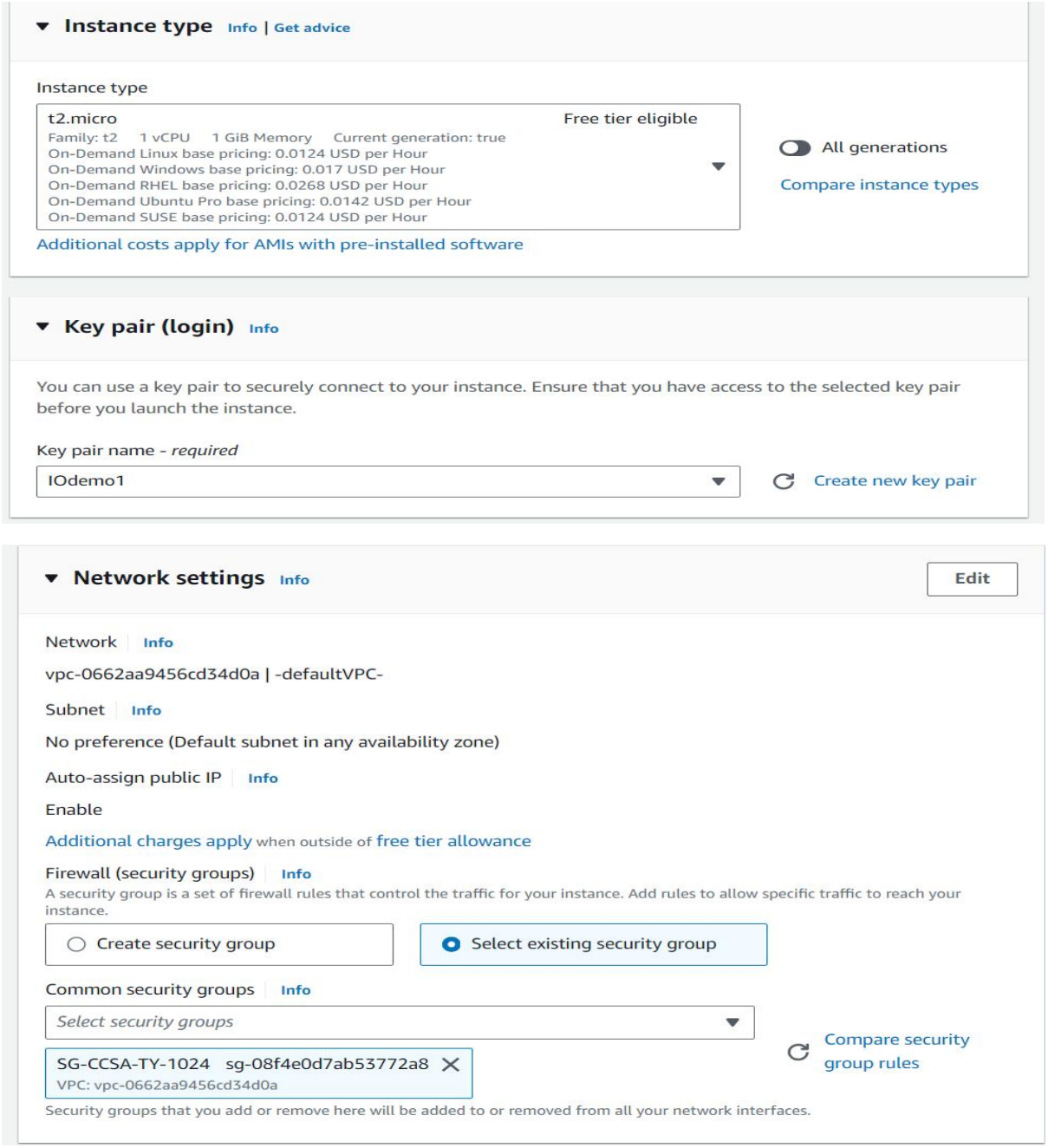

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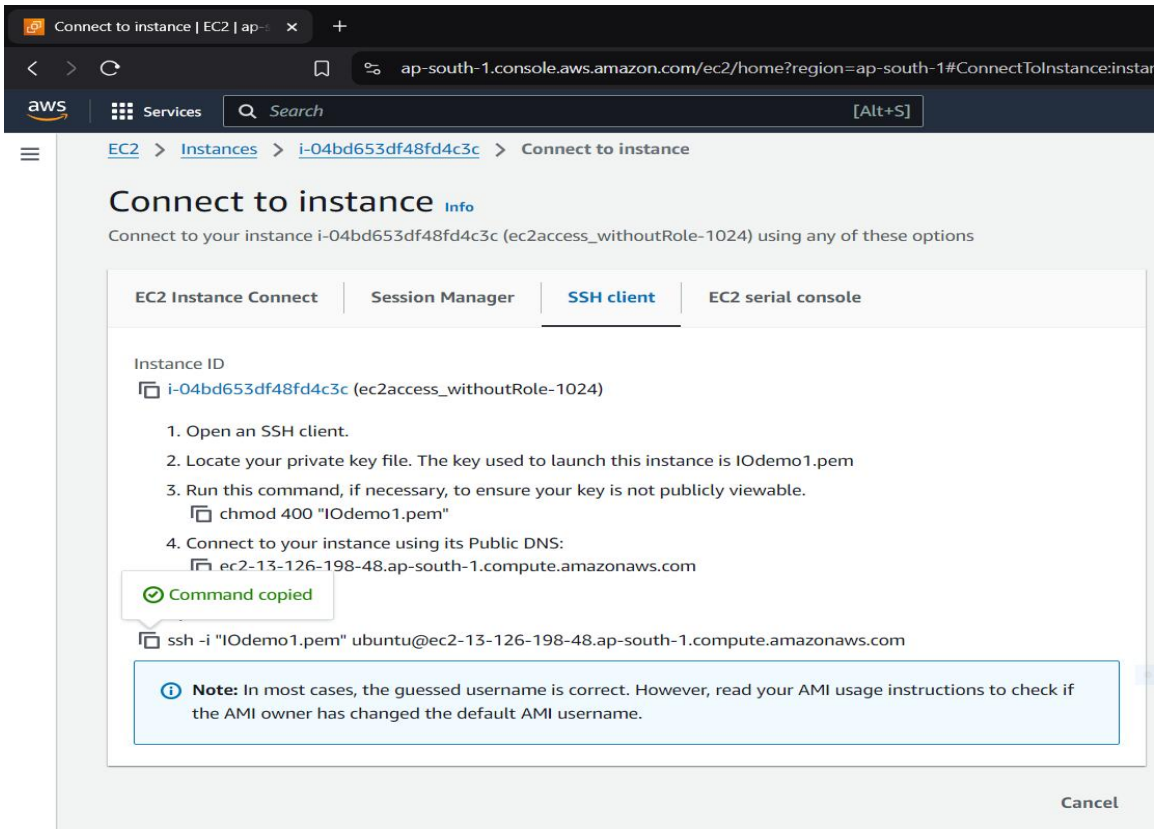
Connect to instance using SSH---



Step 2 – open the cmd and connect via ssh--

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Step 3 – commands to install aws CLI

```
buntu@ip-172-31-2-211:~$
buntu@ip-172-31-2-211:~$
buntu@ip-172-31-2-211:~$
buntu@ip-172-31-2-211:~$ sudo apt install unzip
eading package lists... Done
uilding dependency tree... Done
eading state information... Done
uggested packages:
 zip
he following NEW packages will be installed:
 unzip
```

Install AWS CLI using curl---

```
ubuntu@ip-172-31-2-211:~$
ubuntu@ip-172-31-2-211:~$ curl "https://awscli.amazonaws.com/awscli-exe-linux-x86_64-2.0.30.zip" -o "awscliv2.zip"
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left  Speed
100 31.5M  100 31.5M    0     0  90.1M      0 --:--:-- --:--:-- --:--:-- 90.1M
ubuntu@ip-172-31-2-211:~$
ubuntu@ip-172-31-2-211:~$
```

```
ubuntu@ip-172-31-2-211:~$
ubuntu@ip-172-31-2-211:~$ unzip awscliv2.zip
Archive:  awscliv2.zip
   creating: aws/
   creating: aws/dist/
  inflating: aws/README.md
  inflating: aws/install
  inflating: aws/THIRD_PARTY_LICENSES
```

```
ubuntu@ip-172-31-2-211:~$
ubuntu@ip-172-31-2-211:~$ sudo ./aws/install
You can now run: /usr/local/bin/aws --version
ubuntu@ip-172-31-2-211:~$
```

```
ubuntu@ip-172-31-2-211:~$ aws --version
aws-cli/2.0.30 Python/3.7.3 Linux/6.8.0-1015-aws botocore/2.0.0dev34
ubuntu@ip-172-31-2-211:~$
```

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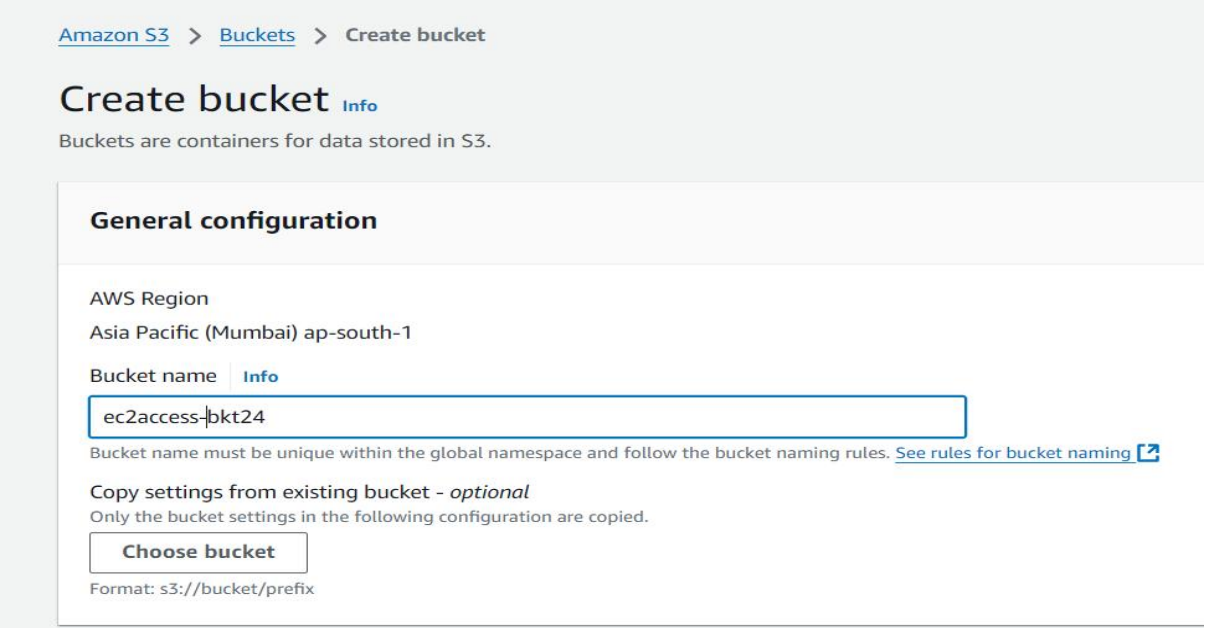
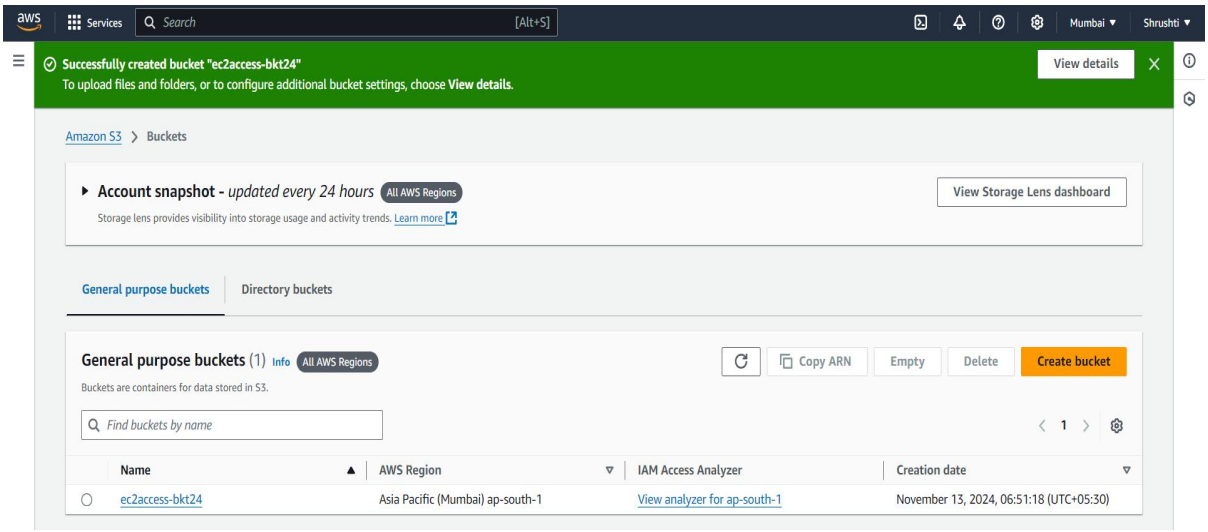
Step 4 – create one S3 bucket--





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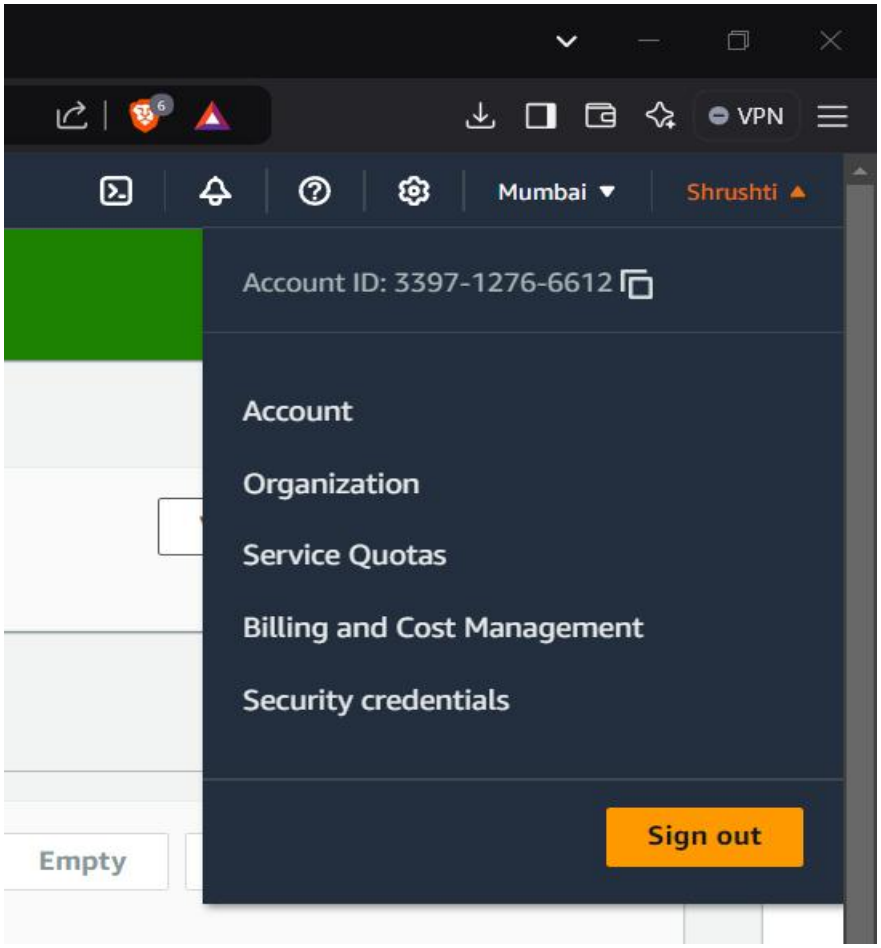
Step 5 – Go to your profile and click on the "Security Credentials" tab as shown below.



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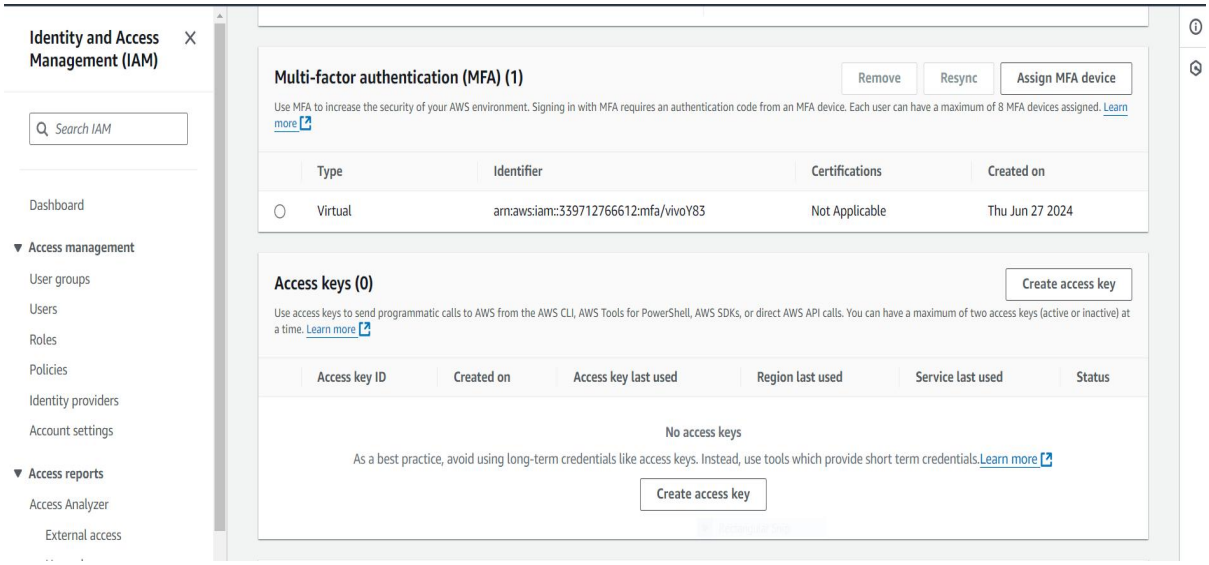
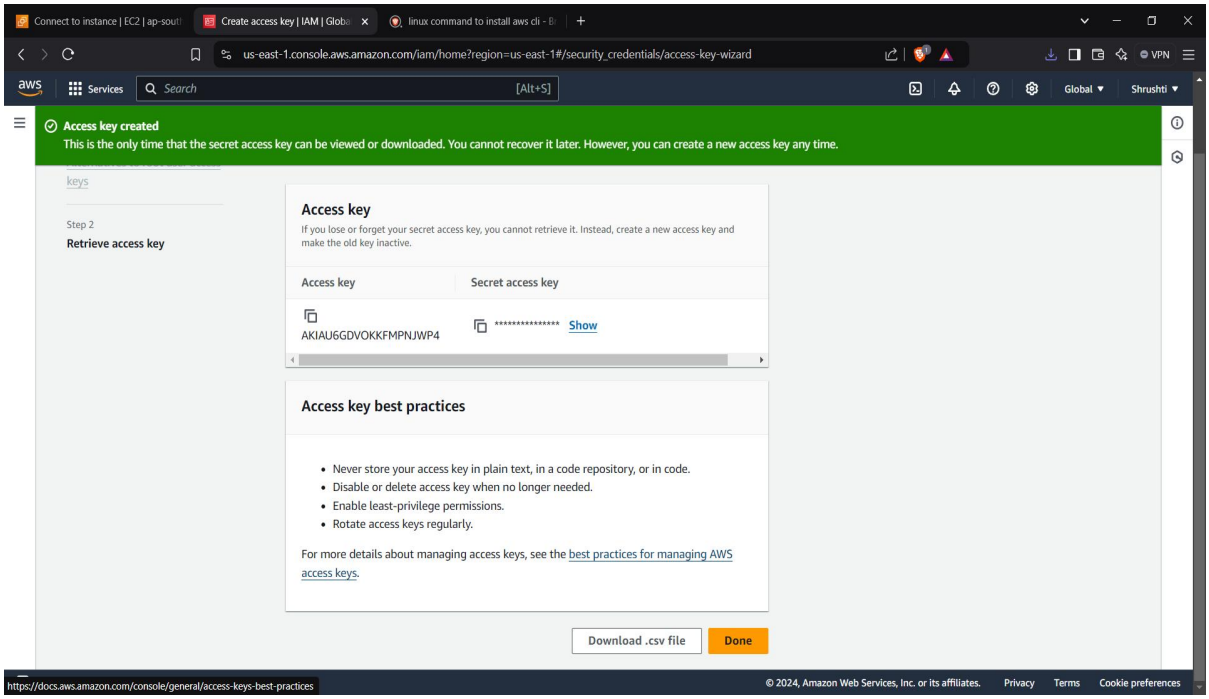
Scroll-up a bit and create access key--





Ensure to download the csv file.

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Step 6 – Go to cmd and follow the command:

'aws configure'-- enter --

provide access key, secret access key (from above or csv file)--

Provide region, output format.

```
ubuntu@ip-172-31-2-211:~$ aws configure
AWS Access Key ID [None]: AKIAU6GDVOKKFMPNJWP4
AWS Secret Access Key [None]: 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
Default region name [None]: ap-south-1
Default output format [None]: json
ubuntu@ip-172-31-2-211:~$
```

Step 7 – command to view s3 from ec2:

'aws s3 ls'

This will show list of all the bucket created

```
ubuntu@ip-172-31-2-211:~$ aws s3 ls
2024-11-13 01:21:19 ec2access-bkt24
ubuntu@ip-172-31-2-211:~$
```