

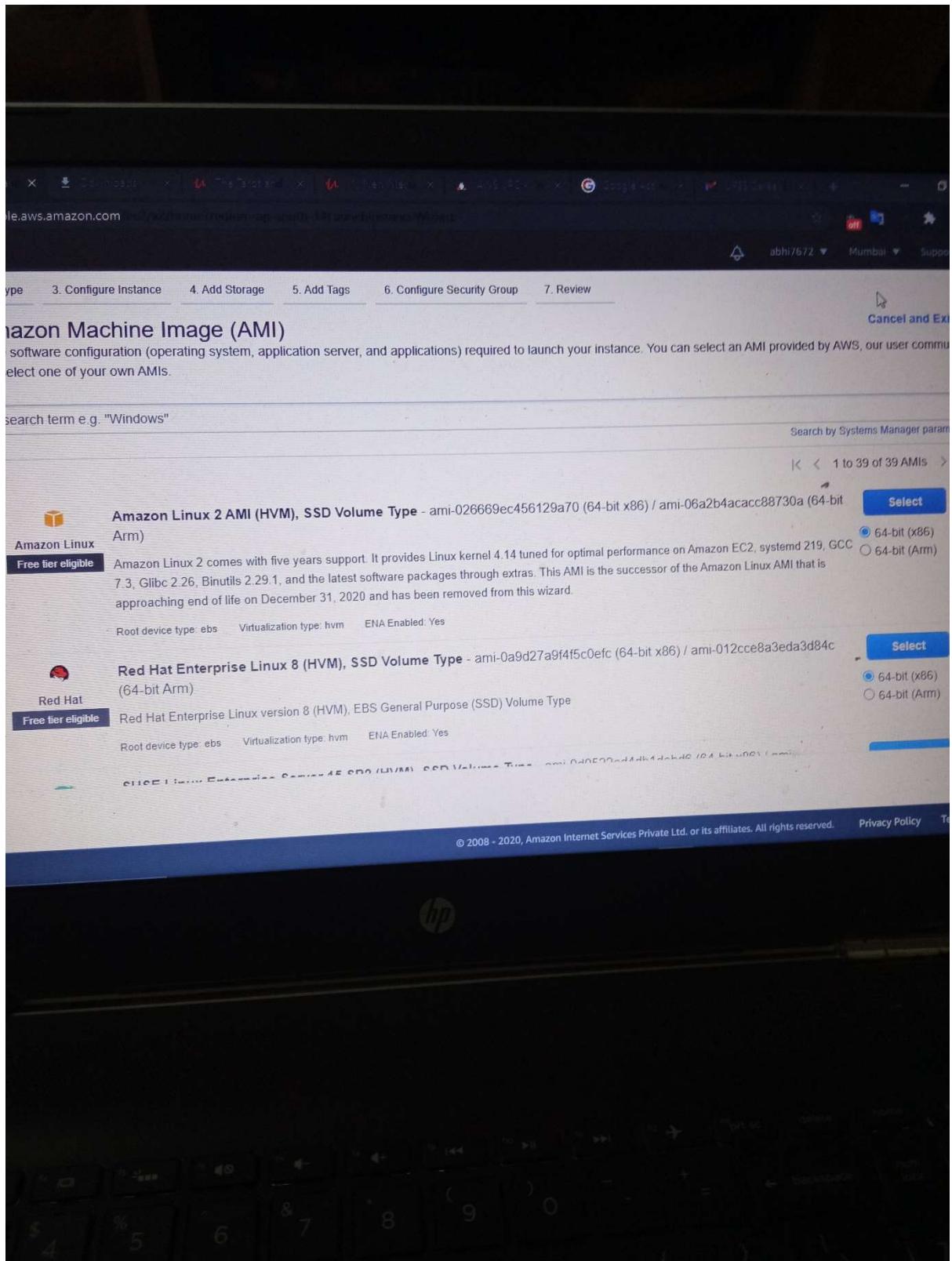
ASSIGNMENT -1

NAME – ABHISHEK SINGH

ROLLNO-03

SAP ID-50061156

1. Create two T2 Micro EC2 Instances.



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 families ▾ Current generation ▾ Show/Hide Columns

Currently selected: t2.micro (- ECUs, 1 vCPUs, 2.5 GHz, -, 1 GiB memory, EBS only)

Family	Type	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance	IPv6 Support
t2	t2.nano	1	0.5	EBS only	-	Low to Moderate	Yes
t2	t2.micro <small>Free tier eligible</small>	1	1	EBS only	-	Low to Moderate	Yes
t2	t2.small	1	2	EBS only	-	Low to Moderate	Yes
t2	t2.medium	2	4	EBS only	-	Low to Moderate	Yes
t2	t2.large	2	8	EBS only	-	Low to Moderate	Yes
t2	t2.xlarge	4	16	EBS only	-	Moderate	Yes

Cancel Previous Review And Launch Next: Configure Instance Data

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

Configure Instance Details

No default subnet found
Please choose another subnet in your default VPC, or choose another VPC.

Choose the instance type and configuration options to suit your requirements. You can launch multiple instances from the same AMI, request Spot instances to take advantage of lower prices, or add storage and tags.

Number of instances Launch into Auto Scaling Group

Purchasing option Request Spot instances

Network

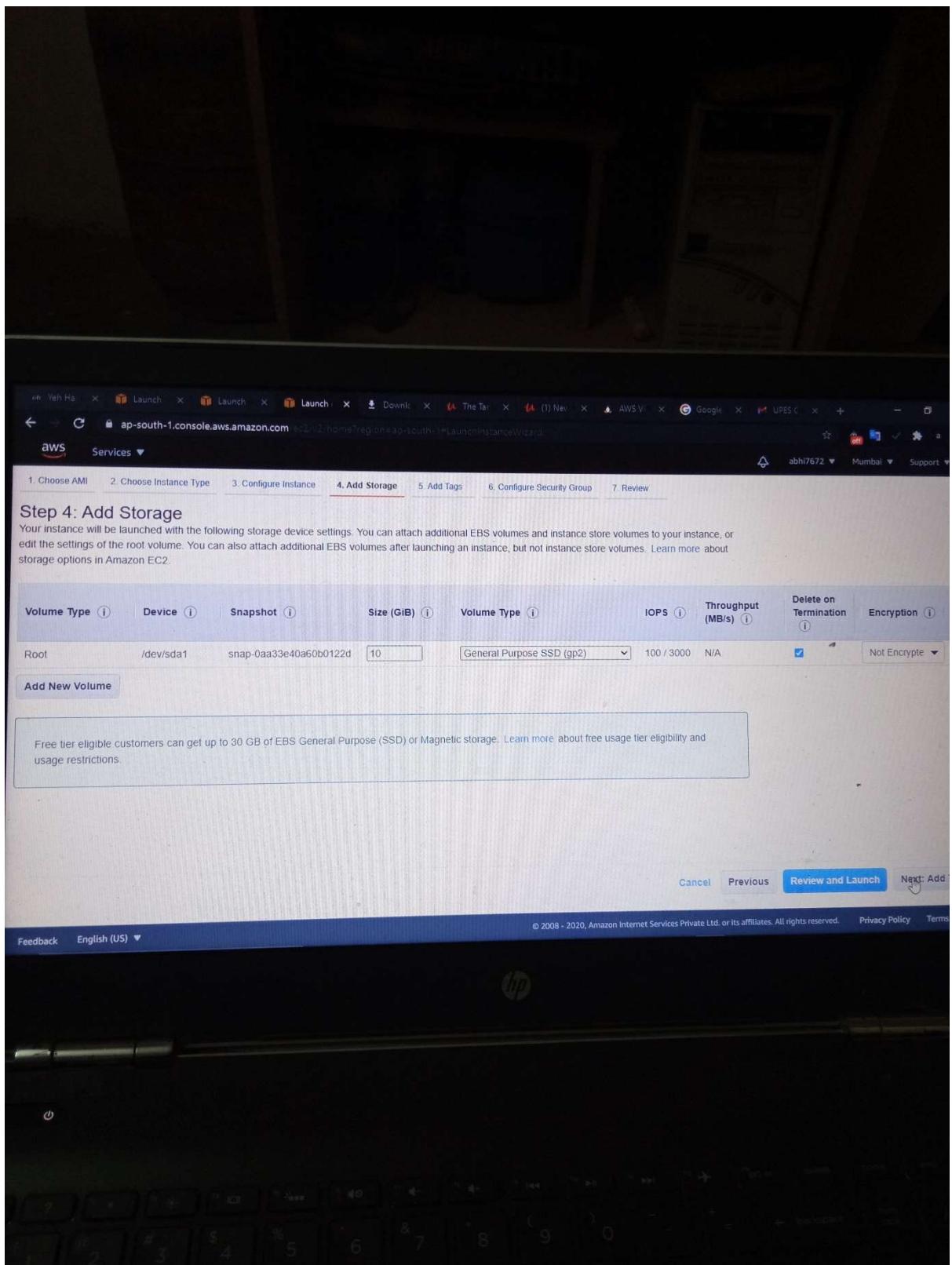
Subnet
4091 IP Addresses available

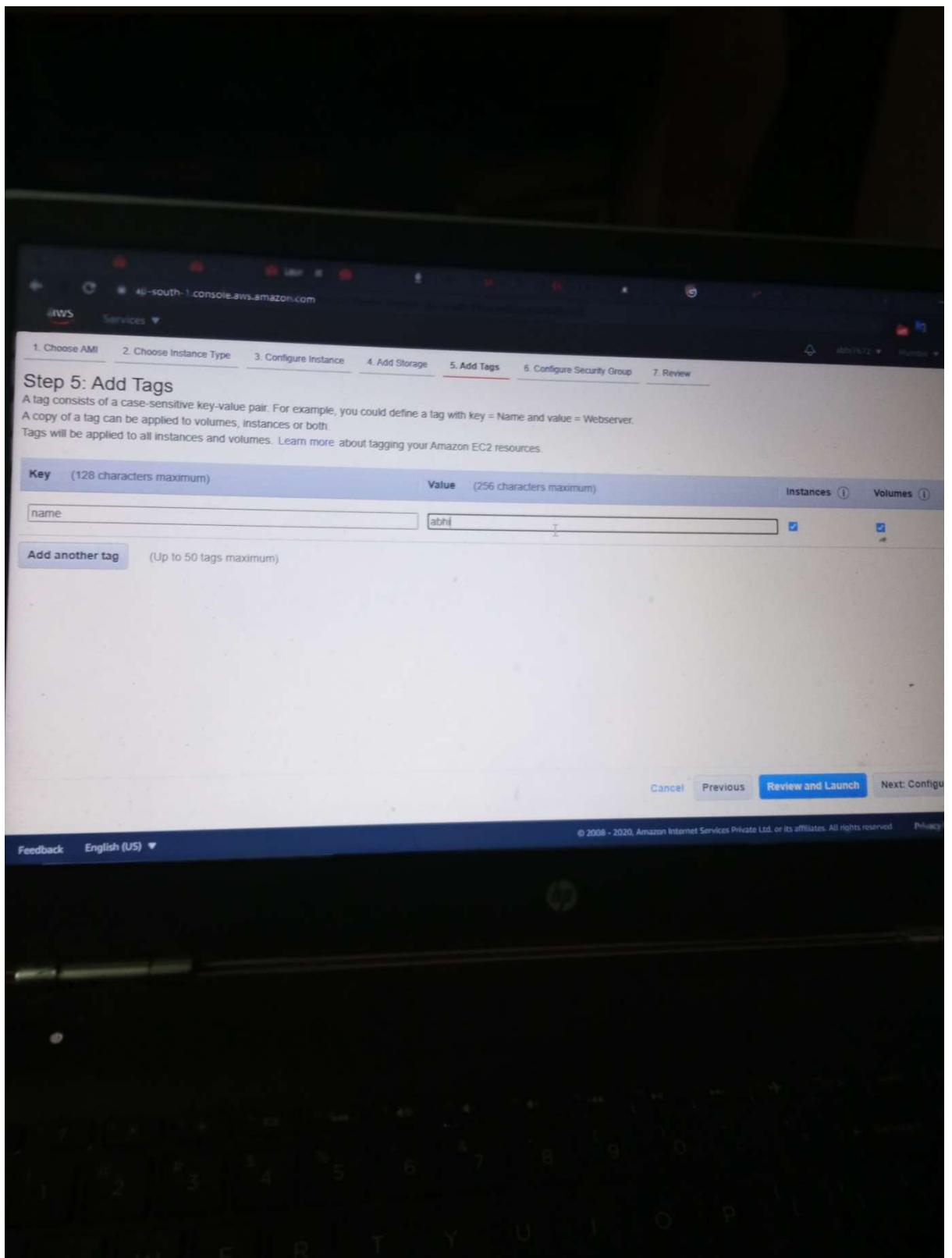
Auto-assign Public IP

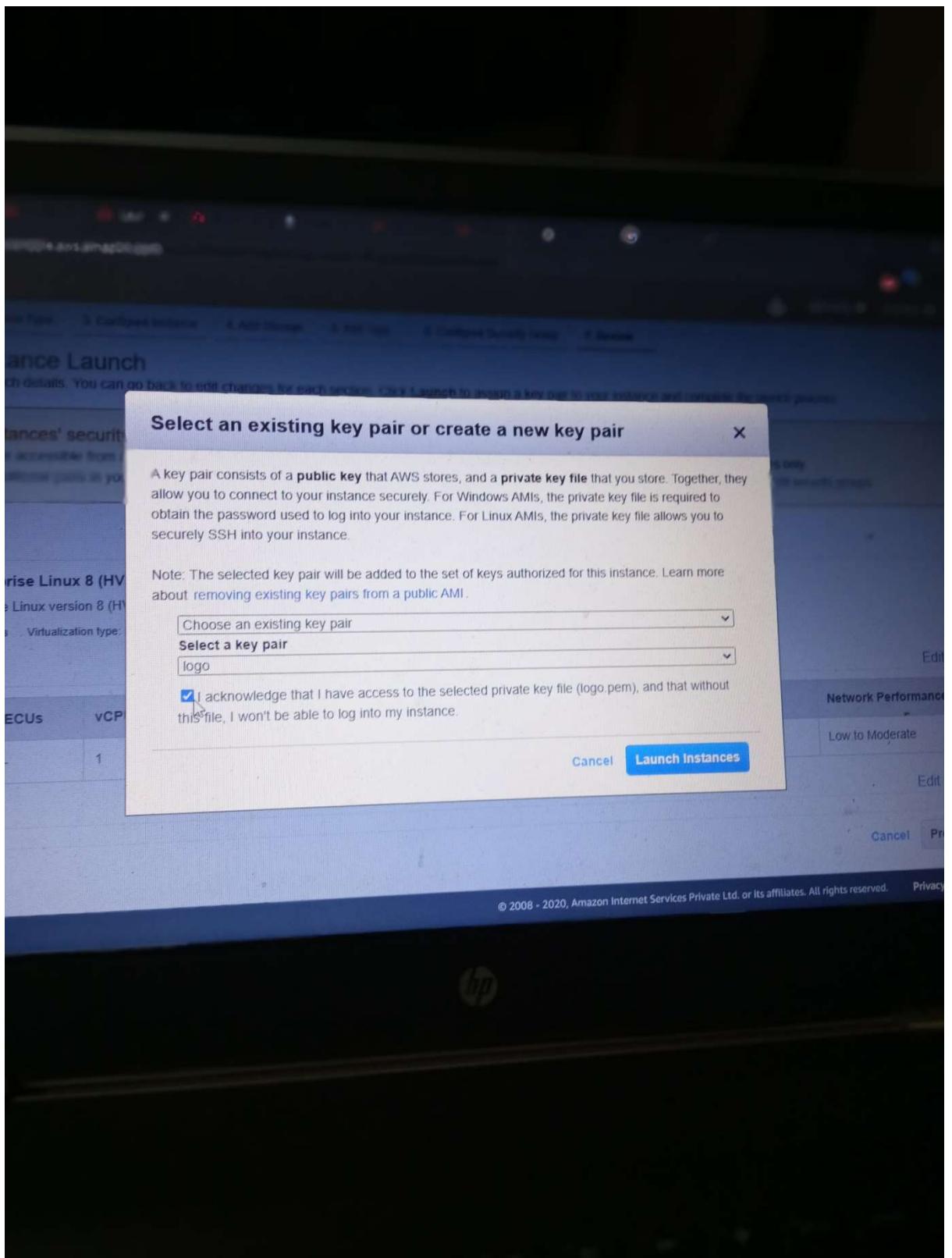
Placement group Add instance to placement group

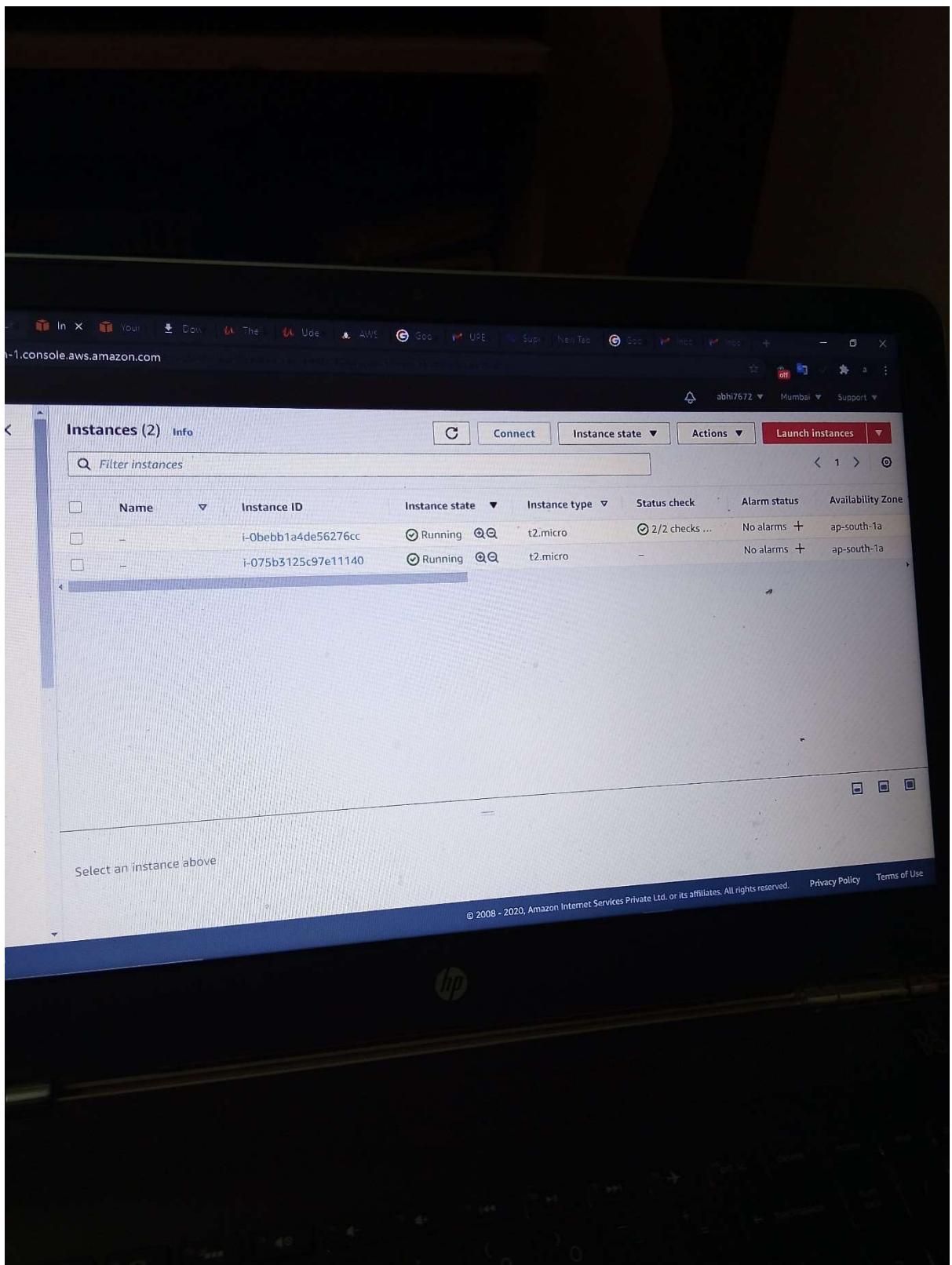
Capacity Reservation

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2. Create a VPN on AWS

The screenshot shows a computer monitor displaying the AWS Management Console. The URL in the browser bar is `ap-south-1.console.aws.amazon.com`. The page title is "Create VPC". The main content area is titled "VPC settings". It includes fields for "Name tag - optional" (containing "myvpc"), "IPv4 CIDR block" (containing "10.0.0.0/16"), and "IPv6 CIDR block" (with three options: "No IPv6 CIDR block" (selected), "Amazon-provided IPv6 CIDR block", and "IPv6 CIDR owned by me"). Below these is a "Tenancy" field set to "Default". At the bottom, there are "Feedback" and "English (US)" buttons, and a copyright notice "© 2008 - 2020, HP".

VPC > Your VPCs > Create VPC

Create VPC Info

A VPC is an isolated portion of the AWS cloud populated by AWS objects, such as Amazon EC2 instances.

VPC settings

Name tag - *optional*
Creates a tag with a key of 'Name' and a value that you specify.

myvpc

IPv4 CIDR block Info

10.0.0.0/16

IPv6 CIDR block Info

No IPv6 CIDR block
 Amazon-provided IPv6 CIDR block
 IPv6 CIDR owned by me

Tenancy Info

Default

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Your Dow The (1) AWS Goo UPE Super New Tab Goo Inbo Inbo + zon.com off

successfully created vpc-0b52f73defef543e3c / myvpc

Your VPCs (2) [Info](#)

[Create VPC](#)

<input type="checkbox"/>	Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR
<input type="checkbox"/>	myvpc	vpc-0b52f73defef543e3c	Available	10.0.0.0/16	-
<input type="checkbox"/>	-	vpc-6615fd0d	Available	172.31.0.0/16	-

Select a VPC above

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home?region=ap-south-1#vpcs:

You have successfully created 1 subnet: subnet-0c2efe0a8a608743a

Subnets (2) Info		Actions Create subnet	
<input type="text"/> Filter subnets		< 1 > @	
<input type="checkbox"/>	Name	Subnet ID	State
<input type="checkbox"/>	private	subnet-0c2efe0a8a608743a	<input checked="" type="checkbox"/> Available
<input type="checkbox"/>	public	subnet-0fe9bbbf92cec369	<input checked="" type="checkbox"/> Available

Select a subnet

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az.com/vpc/home?region=ap-south-1#igw

Internet gateway igw-0558519dc8f590961 successfully attached to vpc-0713815350a32c4eb

Internet gateways (2) [Info](#)

Actions [Create internet ga](#)

Filter internet gateways

<input type="checkbox"/>	Name	Internet gateway ID	State	VPC ID
<input type="checkbox"/>	my igabhi	igw-0558519dc8f590961	<input checked="" type="checkbox"/> Attached	vpc-0713815350a32c4eb my
<input type="checkbox"/>	-	igw-a5c441cd	<input checked="" type="checkbox"/> Attached	vpc-6615fd0d

Select an internet gateway above

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The screenshot shows a laptop screen with a dark background. The top part of the screen displays a decorative pattern of swirling black lines on a light green background. Below this, the AWS Management Console interface is visible, specifically the VPC Route Tables page.

The URL in the browser bar is `e.aws.amazon.com/vpc/home?region=ap-south-1#RouteTables:sort=routeTableId`. The browser window has multiple tabs open, including "The X", "Ude X", "AW X", "Goc X", "UPE X", "Sup X", "The X", and "[94 X]."

The main content area shows a table of route tables:

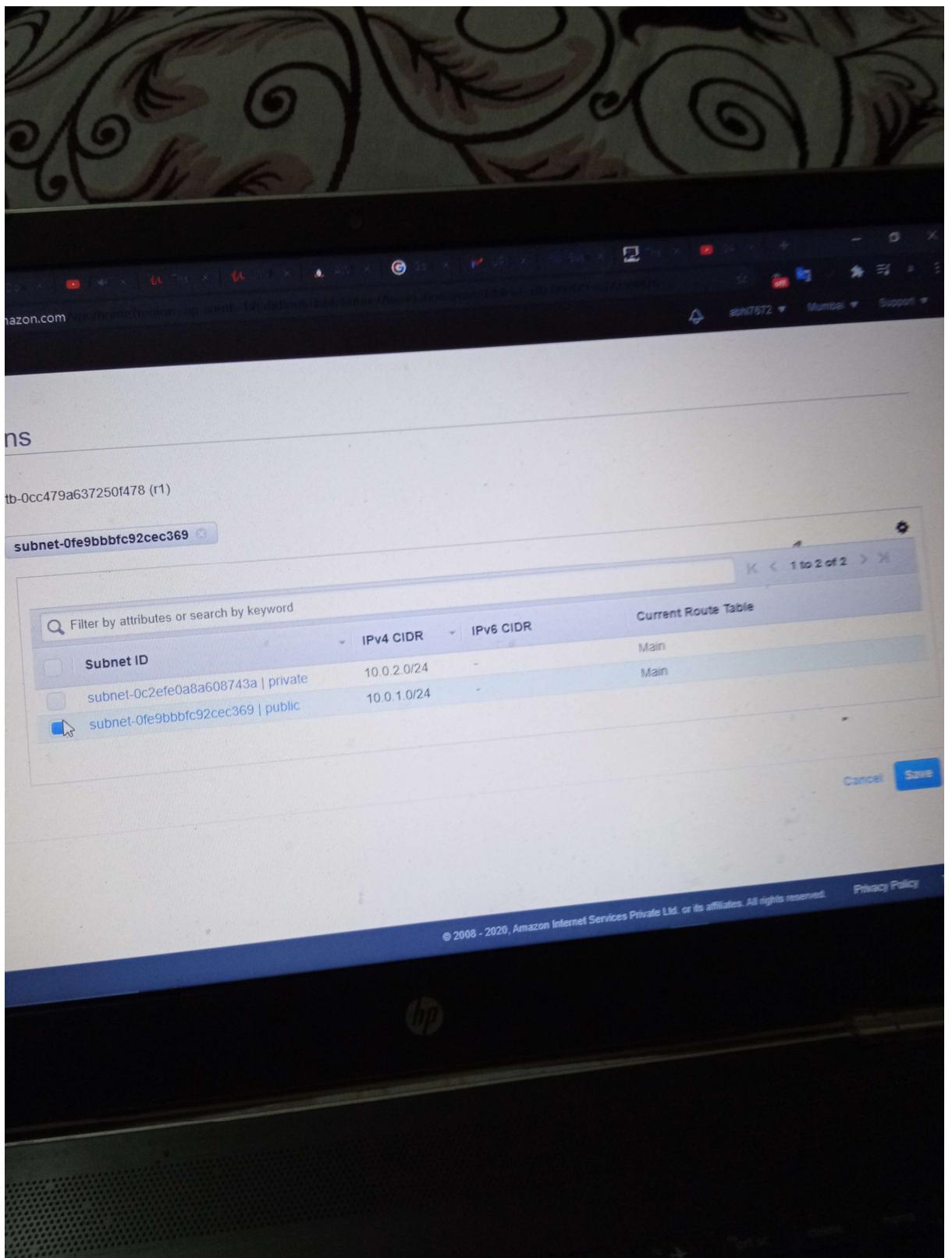
Name	Route Table ID	Explicit subnet association	Edge associations	Main	VPC ID
	rtb-048af649dbc60a436	-	-	Yes	vpc-0713815350a31
	rtb-0cc479a637250f478	-	-	No	vpc-0713815350a31
r1	rtb-b703addc	-	-	Yes	vpc-6615fd0d

Below the table, a specific route table is selected: **Route Table: rtb-0cc479a637250f478**. The "Routes" tab is active, showing a single entry:

Target	Gateway	Link State
0.0.0.0/0	rtb-048af649dbc60a436	Active

Other tabs available include "Summary", "Subnet Associations", "Edge Associations", "Route Propagation", and "Tags".

At the bottom right of the screen, there is a watermark: "© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved." and a link to "Privacy Policy".



The screenshot shows a laptop screen with a decorative background featuring a cat's face. The taskbar at the top includes icons for various applications like Google Chrome, Microsoft Edge, and File Explorer. The main window is titled "Route Tables" and displays a table of route tables. A modal window for route table "rtb-0cc479a637250f478" is open, showing tabs for Summary, Routes, Subnet Associations, Edge Associations, Route Propagation, and Tags. The "Subnet Associations" tab is selected, showing one association for subnet "subnet-0fe9bbbf92cec369".

Create route table **Actions**

Filter by tags and attributes or search by keyword

Name	Route Table ID	Explicit subnet association	Edge associations	Main
	rtb-048af649dbc60a436	-	-	Yes
r1	rtb-0cc479a637250f478	subnet-0fe9bbbf92cec369	-	No
priavte	rtb-0fc36c425b84ce052	-	-	No
	rtb-b703addc	-	-	Yes

Route Table: rtb-0cc479a637250f478

Summary Routes Subnet Associations Edge Associations Route Propagation Tags

Edit subnet associations

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https://console.amazonaws.com/vpc/home?region=ap-south-1#EditRouteTableSubnetAssociations:routeTableId=rtb-0fc36c425b84ce052

ach7672 Mumbai Support

subnet-0c2efe0a8a608743a (private)

subnet-0c2efe0a8a608743a

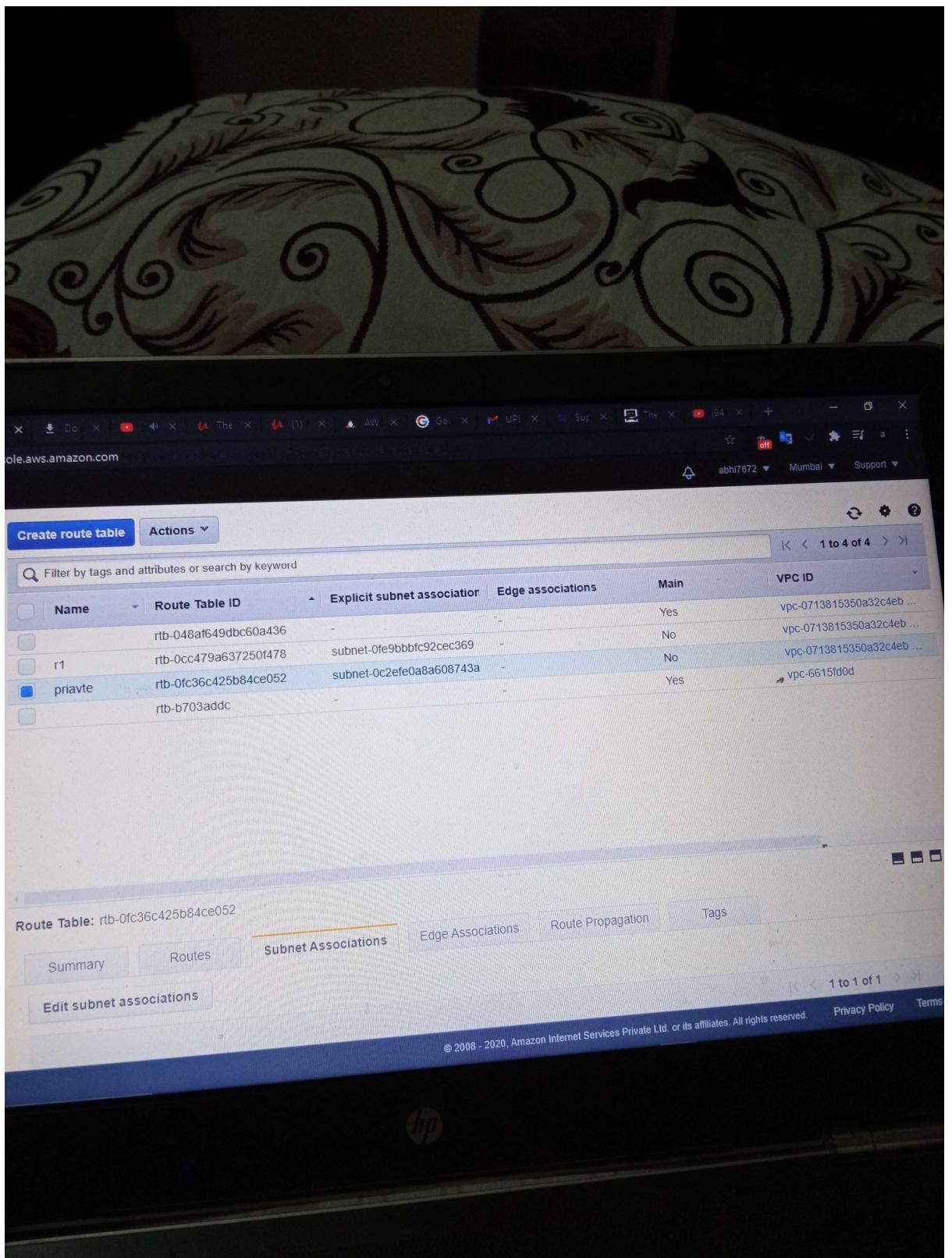
Filter by attributes or search by keyword

Subnet ID	IPv4 CIDR	IPv6 CIDR	Current Route Table
subnet-0c2efe0a8a608743a private	10.0.2.0/24	-	Main rtb-0cc479a637250f478
subnet-0fe9bbbf92cec369 public	10.0.1.0/24	-	

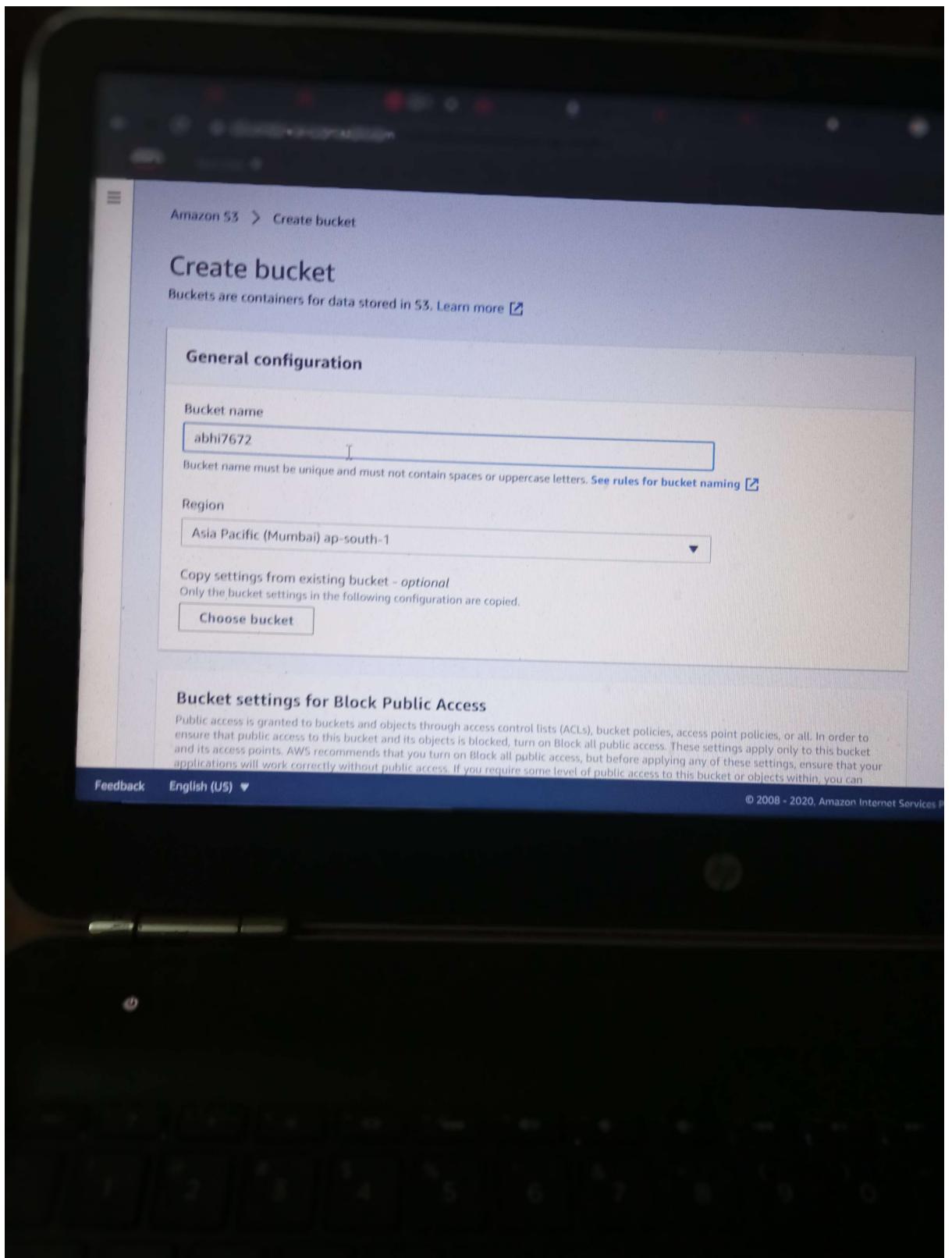
Cancel Save

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hp



3. Create a S3 Bucket



The screenshot shows the AWS S3 Bucket Properties page for a bucket named "test-bucket".

Block All Public Access

Turning this setting on is the same as turning on all four settings below. Each of the following settings are independent of one another.

- Block public access to buckets and objects granted through new access control lists (ACLs)**
S3 will block public access permissions applied to newly added buckets or objects, and prevent the creation of new public access ACLs for existing buckets and objects. This setting doesn't change any existing permissions that allow public access to S3 resources using ACLs.
- Block public access to buckets and objects granted through any access control lists (ACLs)**
S3 will ignore all ACLs that grant public access to buckets and objects.
- Block public access to buckets and objects granted through new public bucket or access point policies**
S3 will block new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change any existing policies that allow public access to S3 resources.
- Block public and cross-account access to buckets and objects through any public bucket or access point policies**
S3 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and objects.

Bucket Versioning

Versioning is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore every version of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions and application failures. [Learn more](#)

Bucket Versioning

Disable
 Enable

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