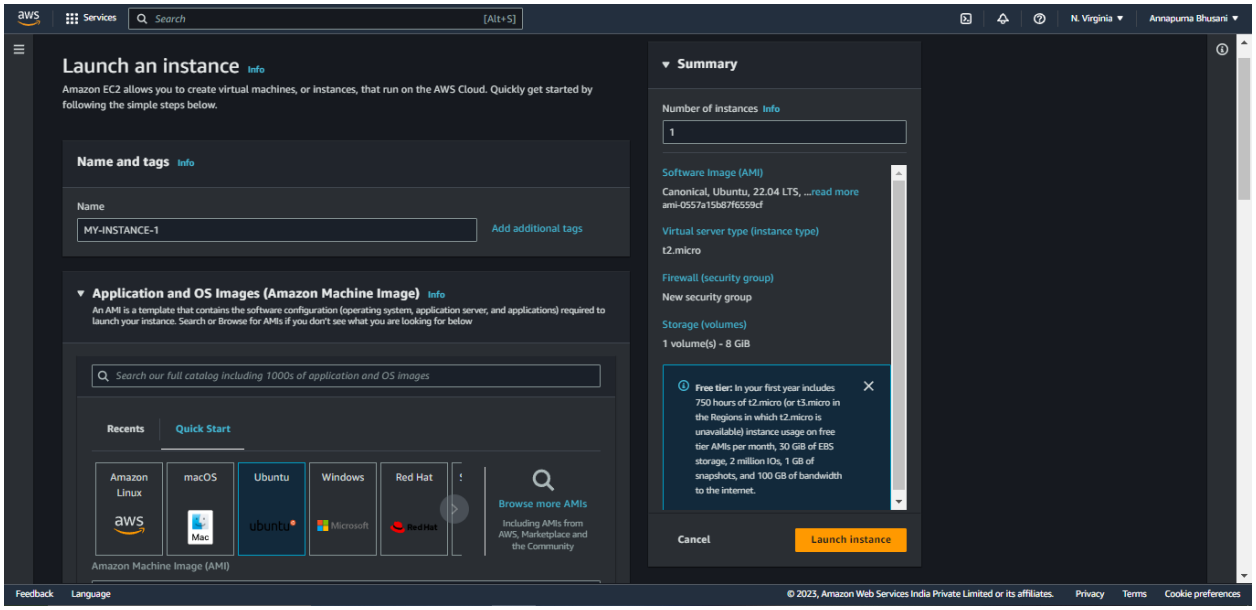
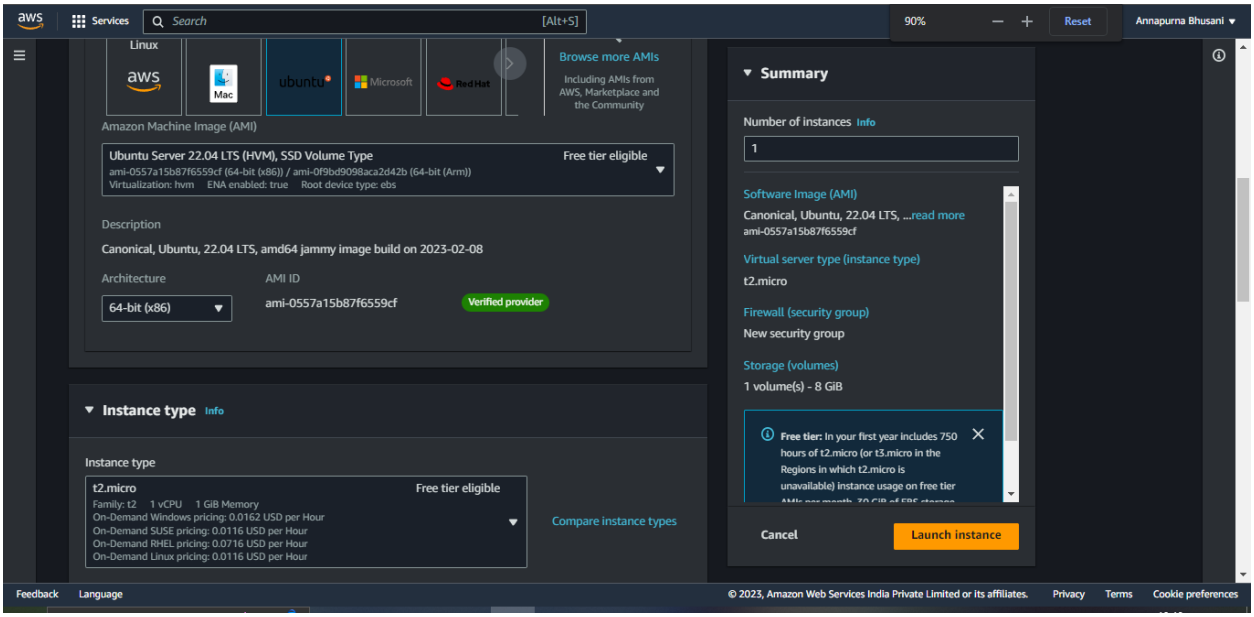
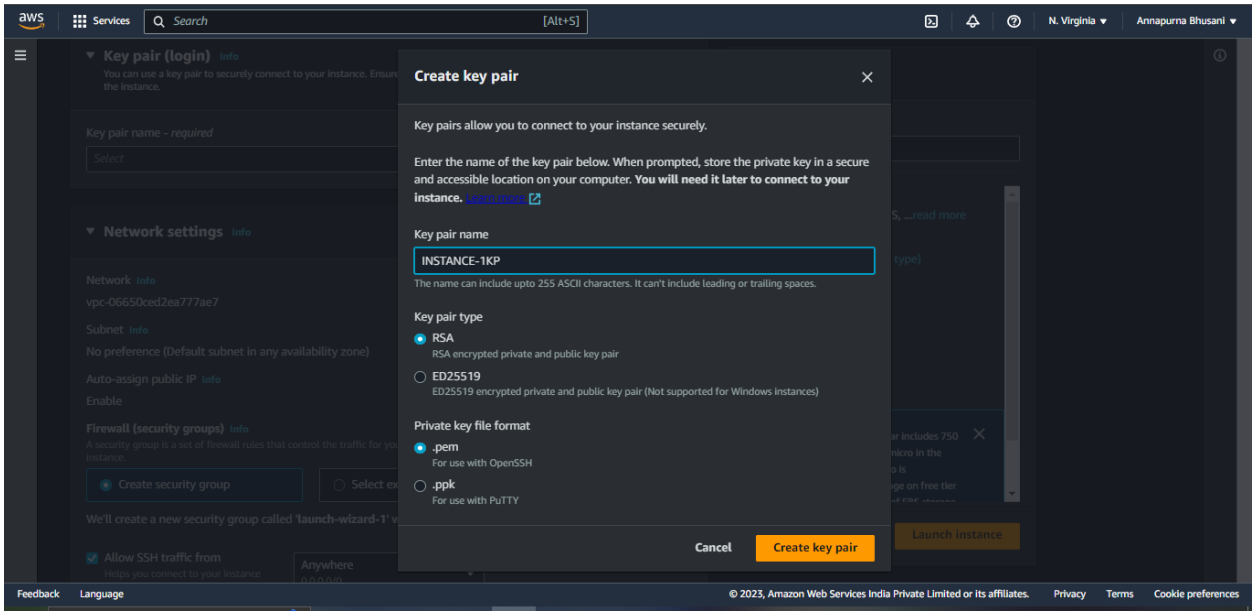
Launching an EC2 instance



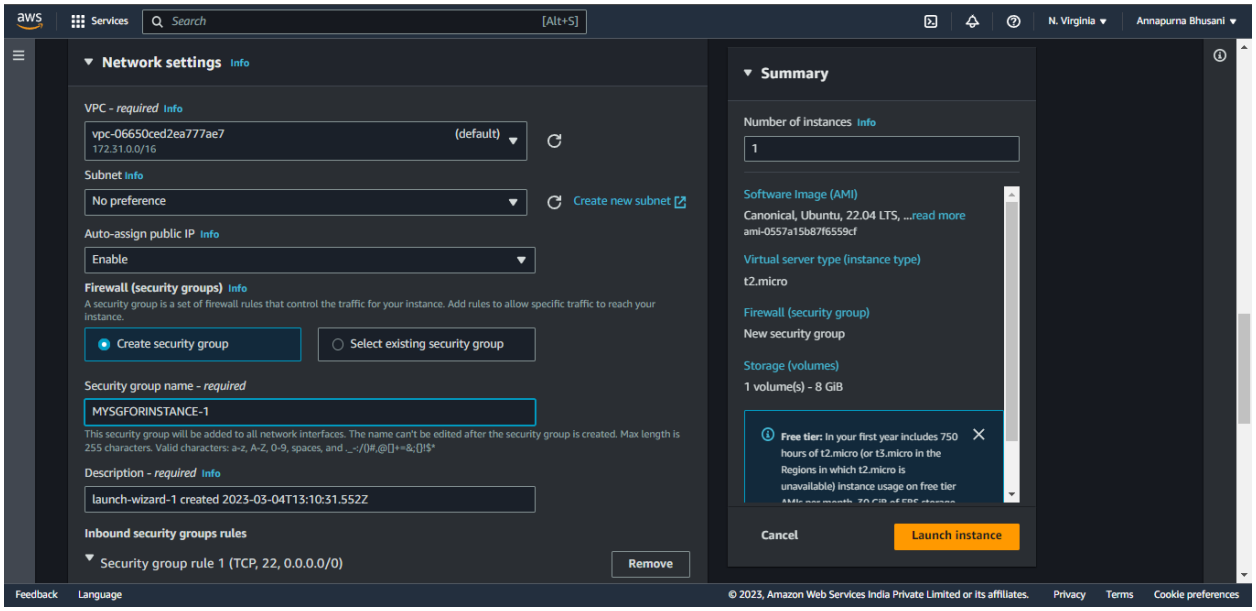
Selecting the AMI image as Ubuntu



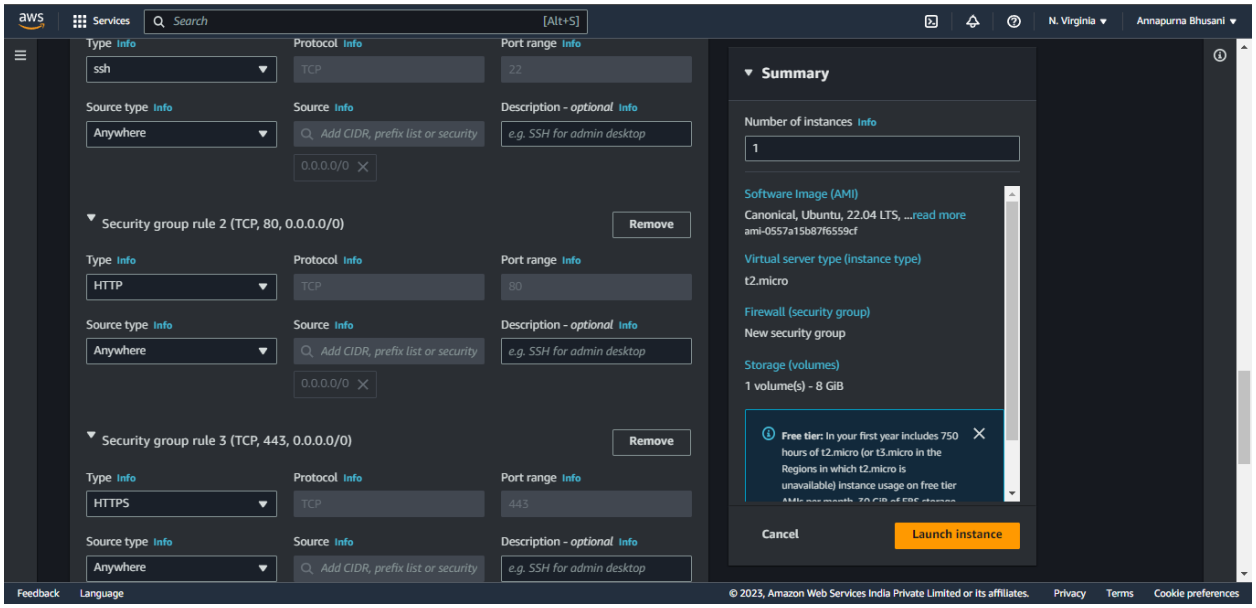
Creating a key pair named “MYINSTANCE-1KP” with .pem extension so that it can be accessed with SSH.



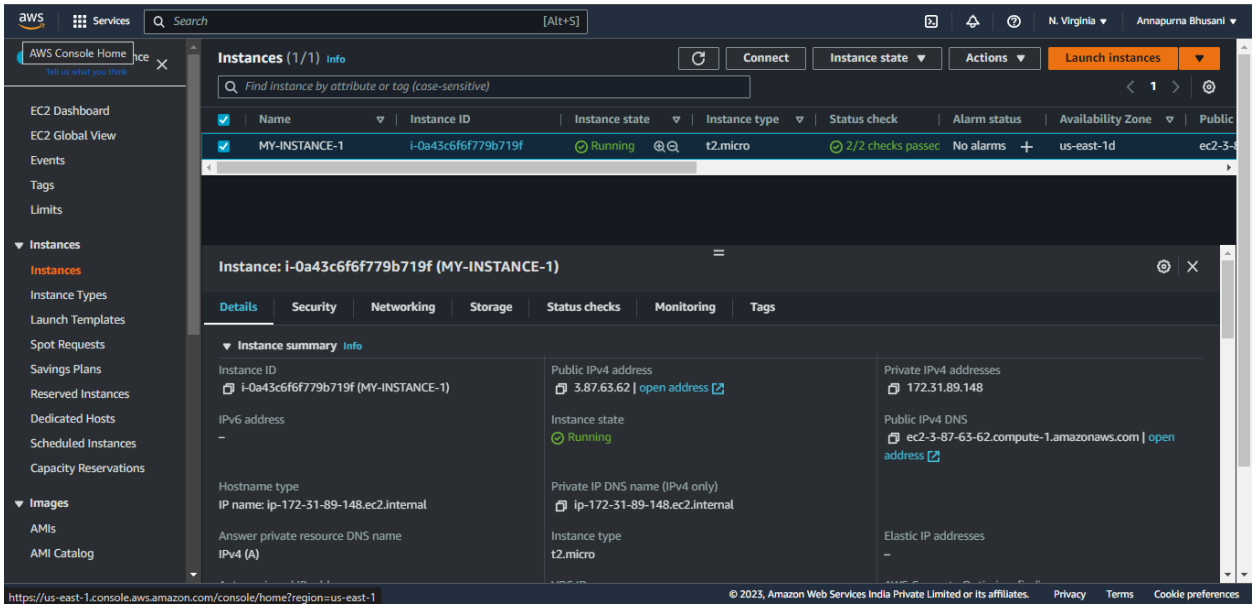
Creating a new security group and named it as”MYSGFORINSTANCE-1”.



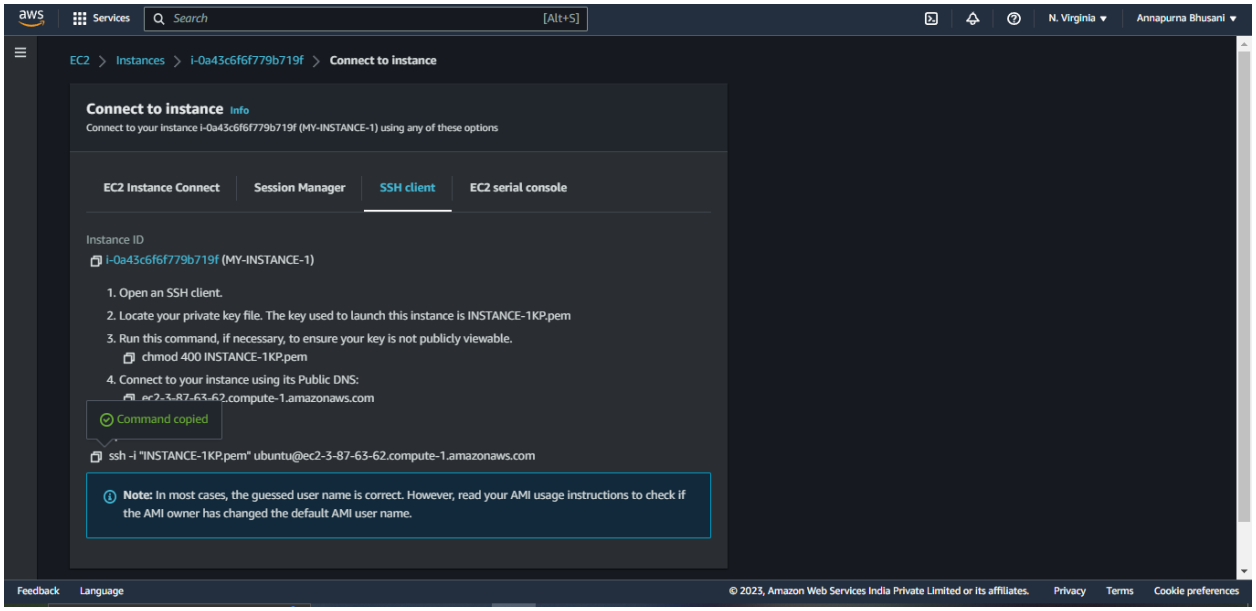
Adding the security groups rule as follows and click on launch instance.



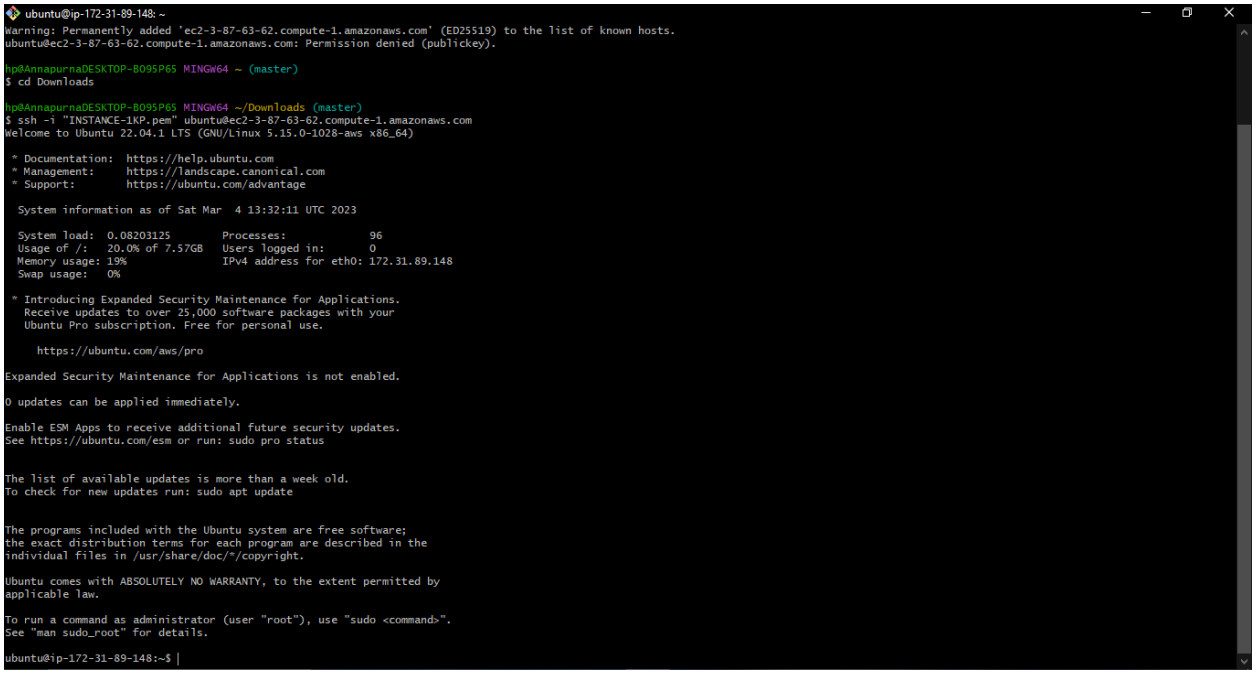
Finally the instance is running.



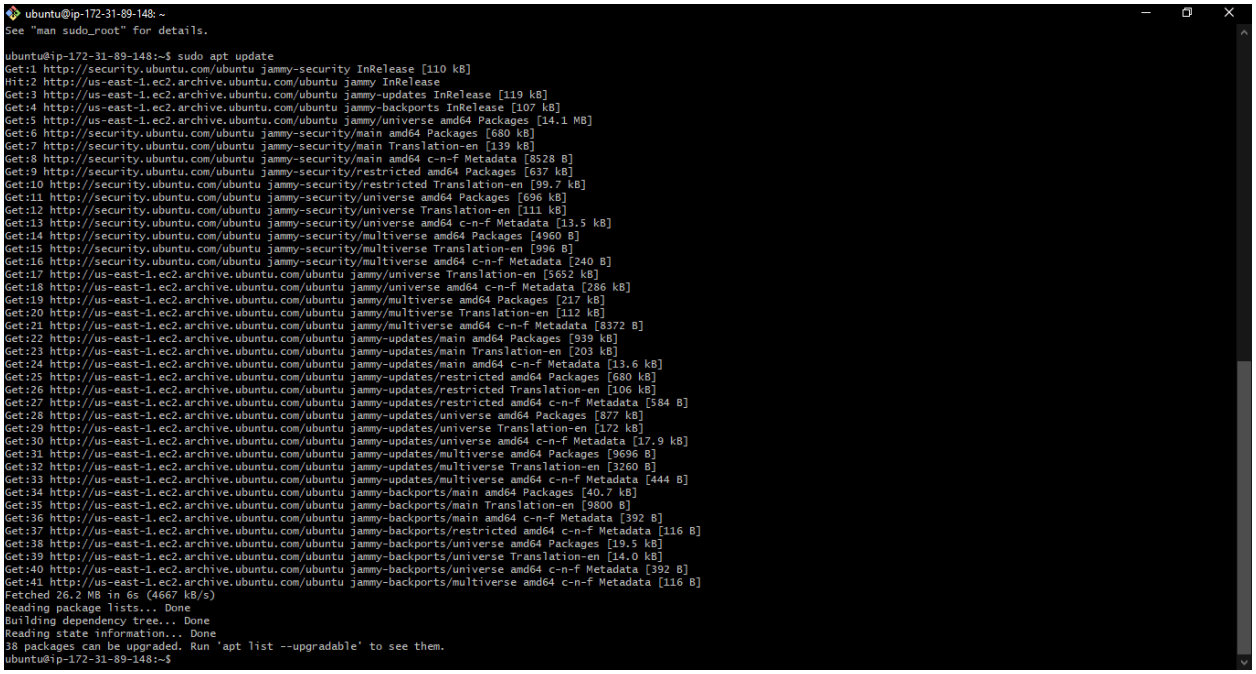
Now select the instance and click on connect the following page will be opened and then select the SSH client tab and copy the ssh command.



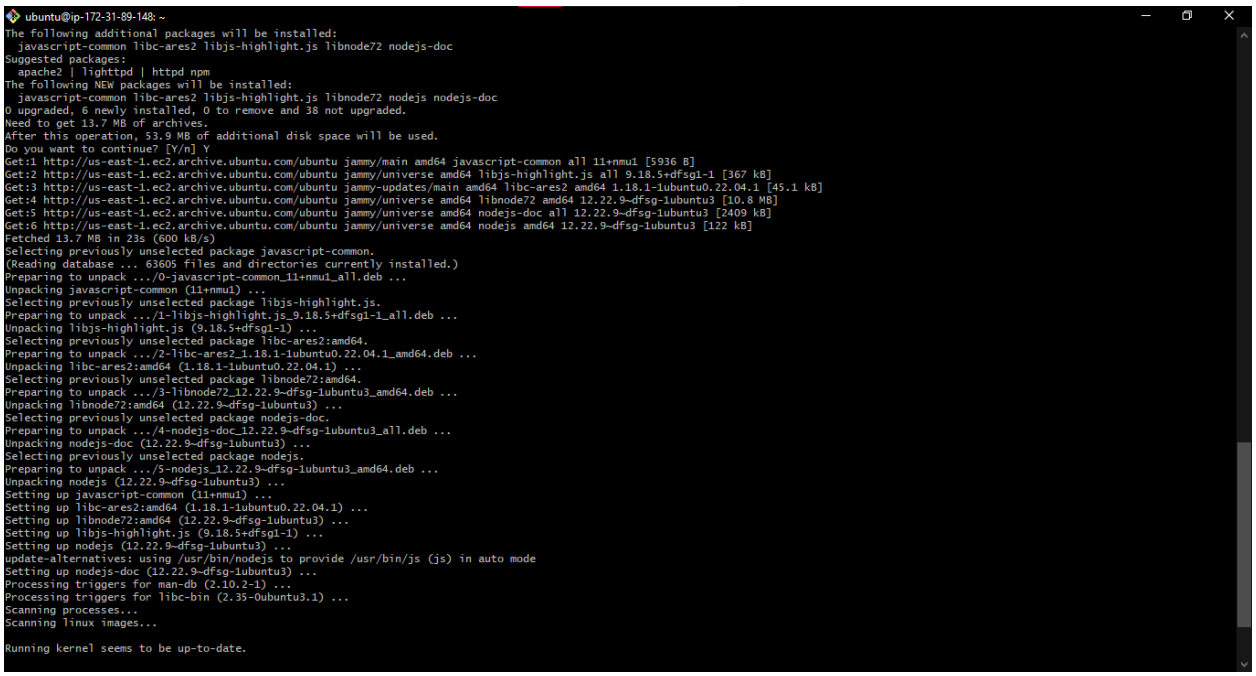
Now install the git bash and open the git bash and paste the ssh command that was copied in the ec2 instance connection page.



To install the node js we need apt so first we should update the apt with the command **sudo apt update**



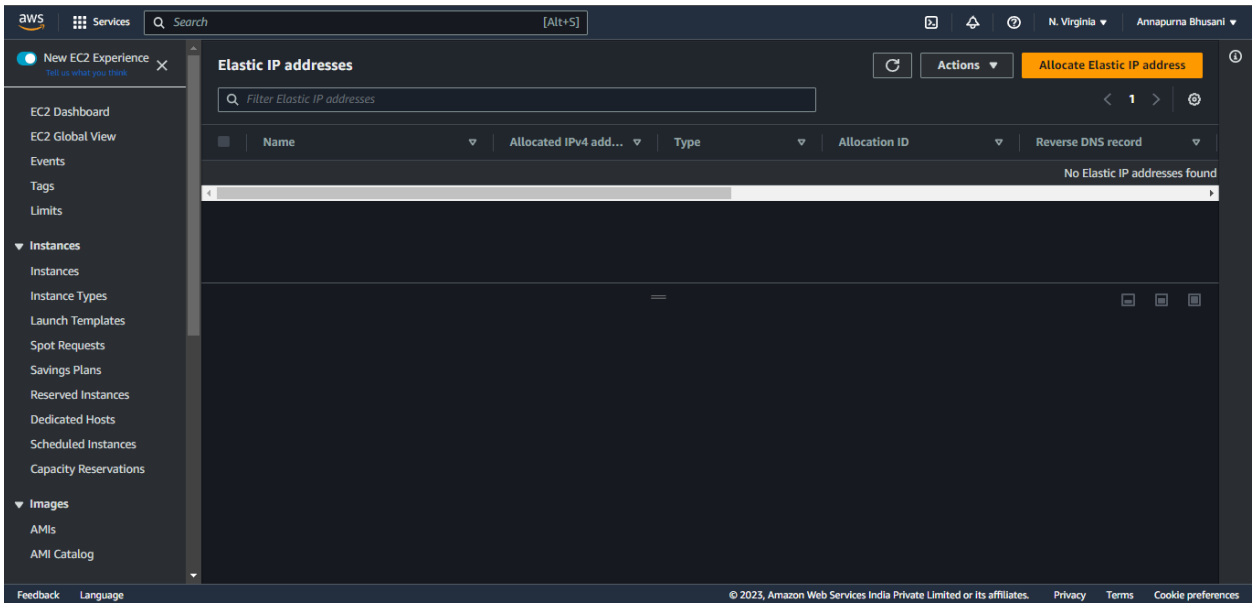
Now to install the Nodejs we use the command **sudo apt install nodejs**



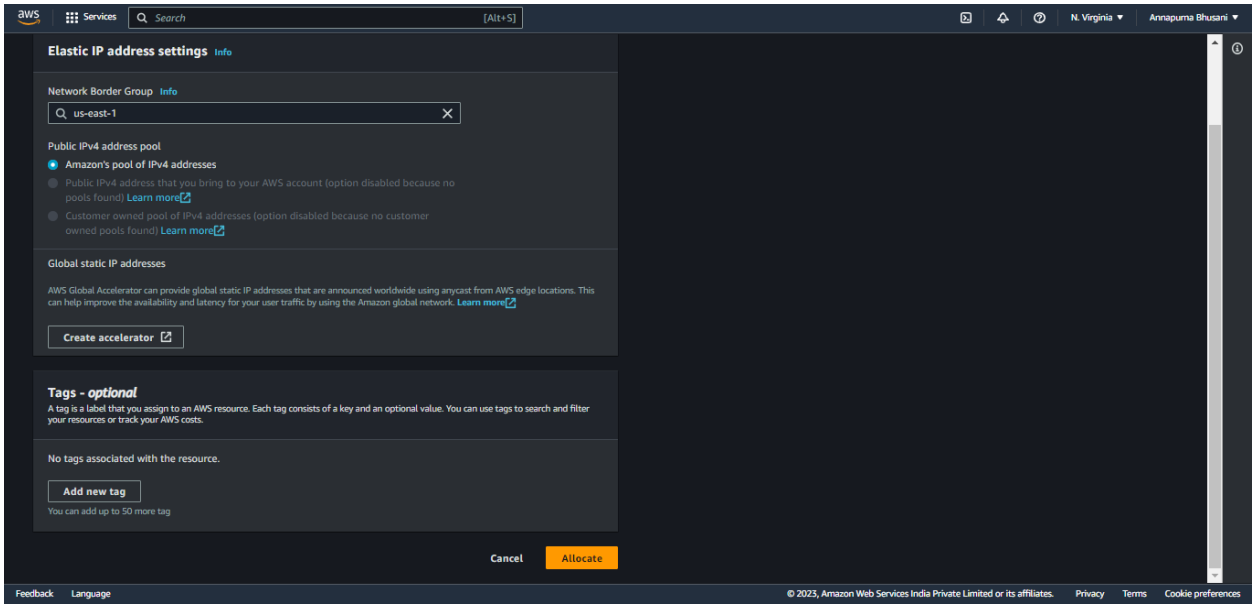
Nodejs is installed and to check the version of the node we use the command **node –v.**

To configure the above created EC2 instance with elastic ip

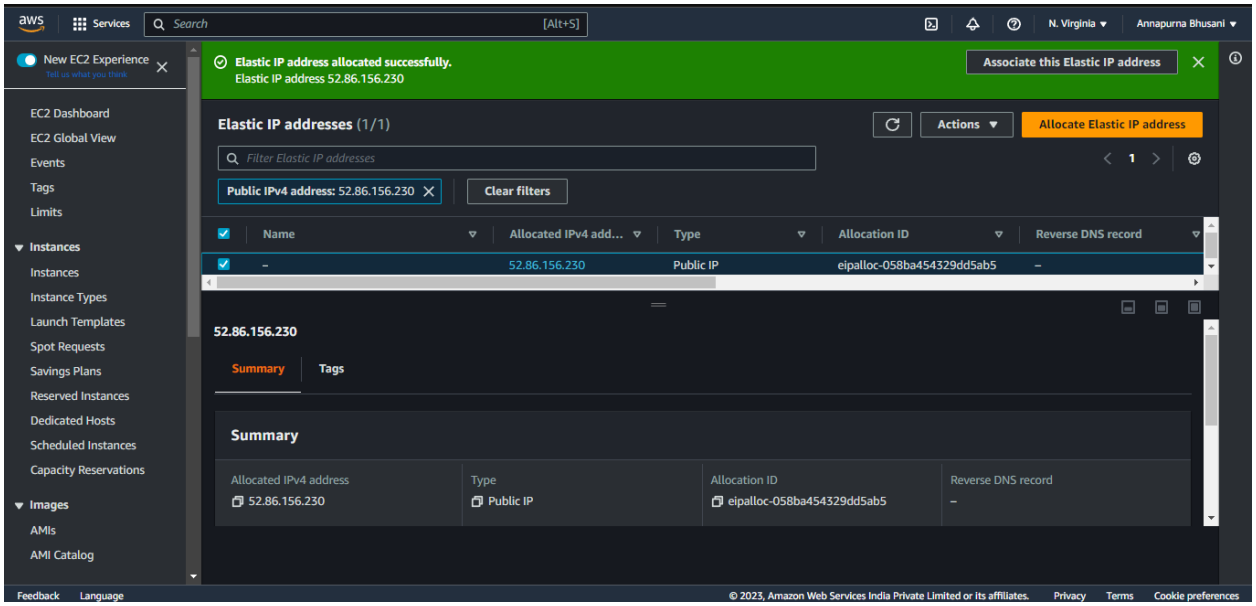
Go to elastic ip's



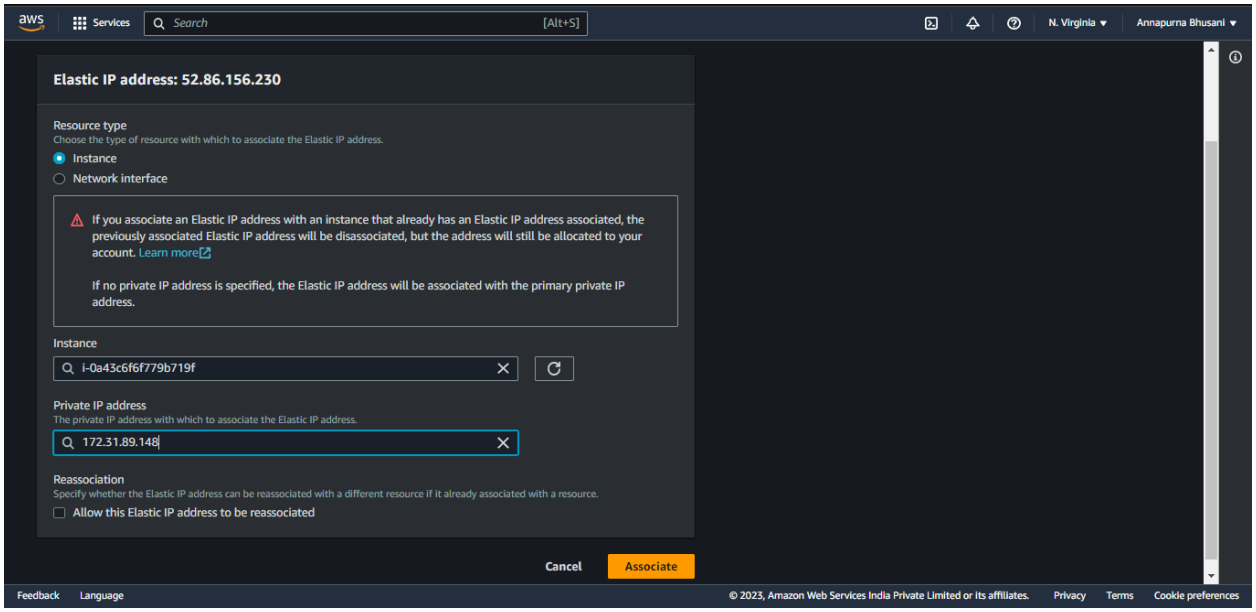
Click on allocate elastic ip address now click on allocate



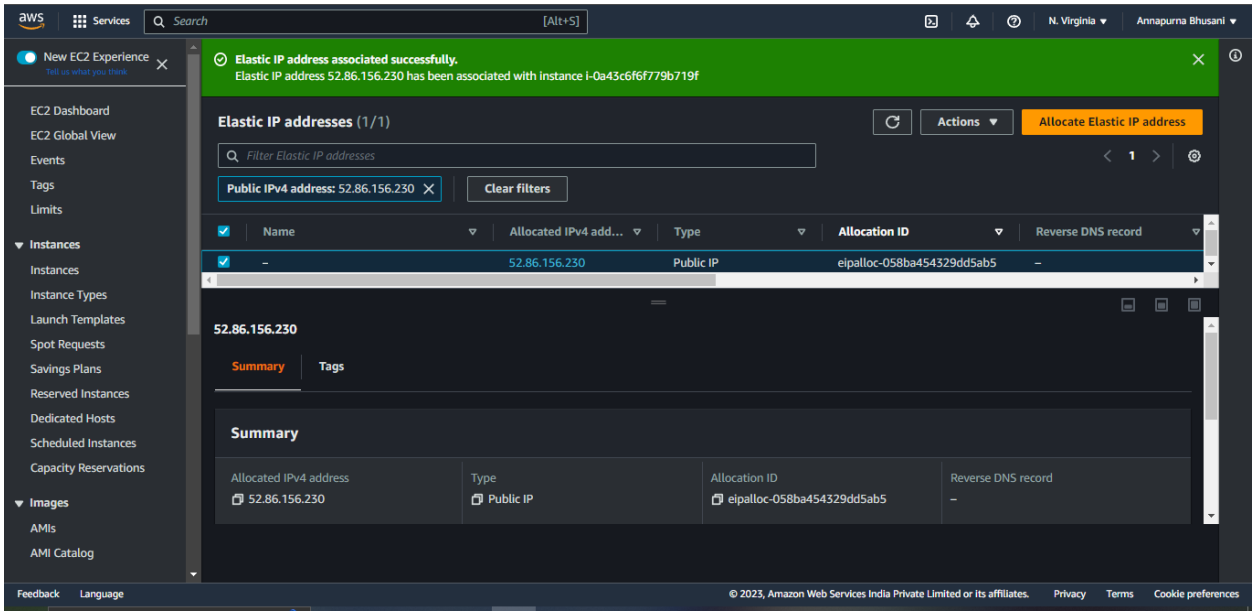
Now click on the Associate this Elastic IP address



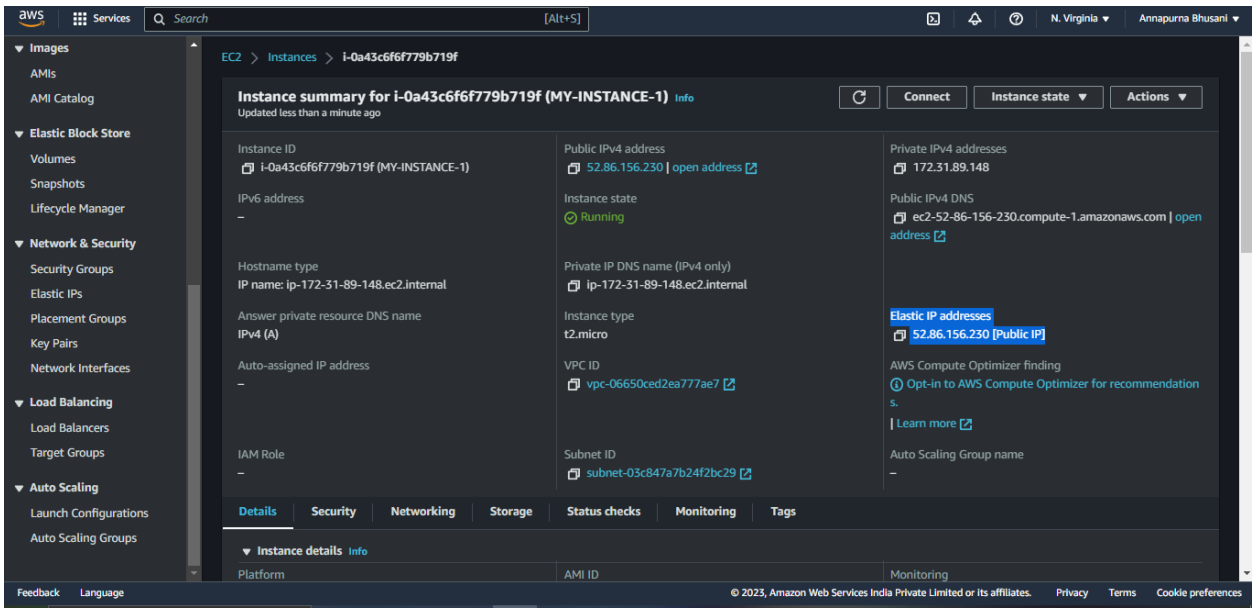
Now attach the instance and private IP address and click on the associate.



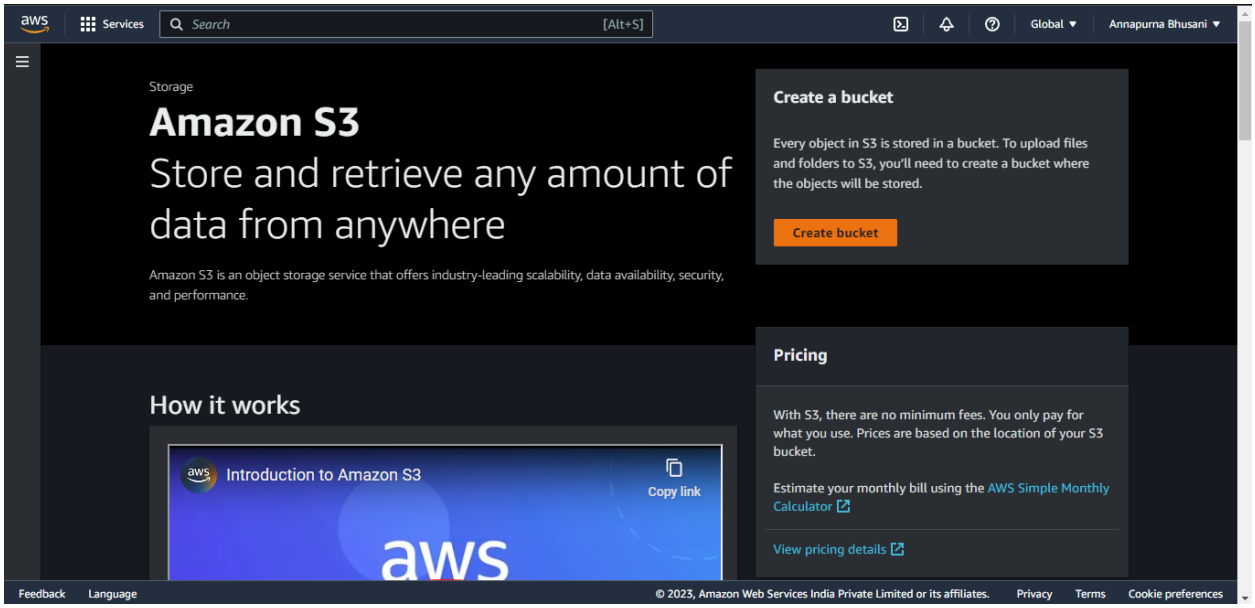
Now the elastic IP address which we created is allocated to the instance.



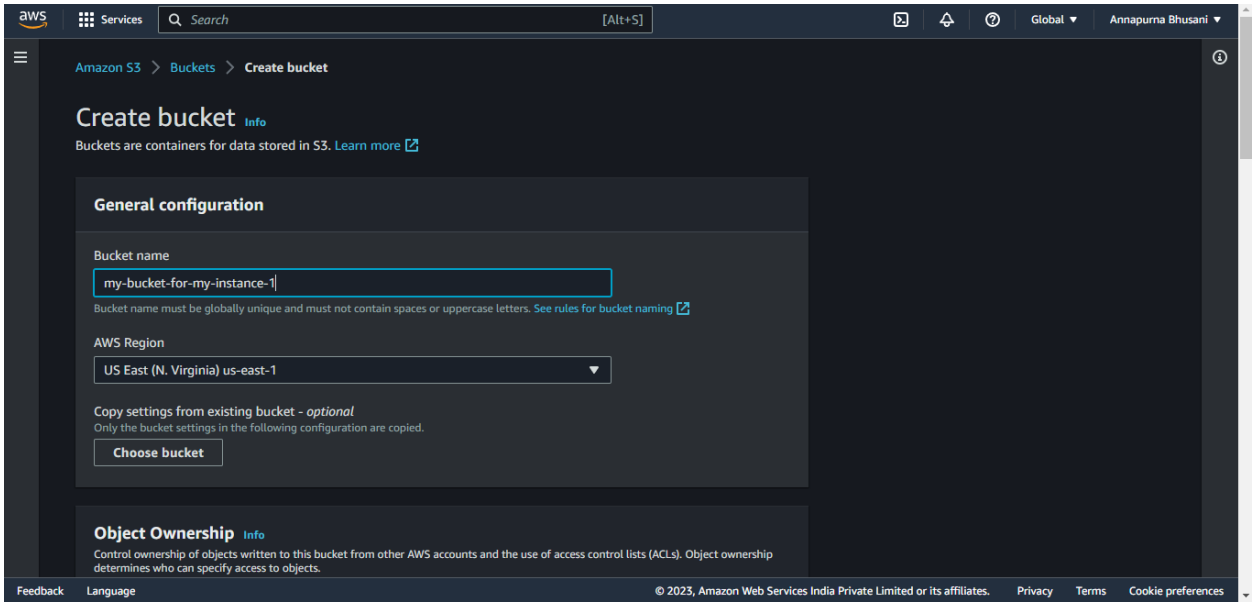
Here the instance summary showing the elastic IP address which we created.



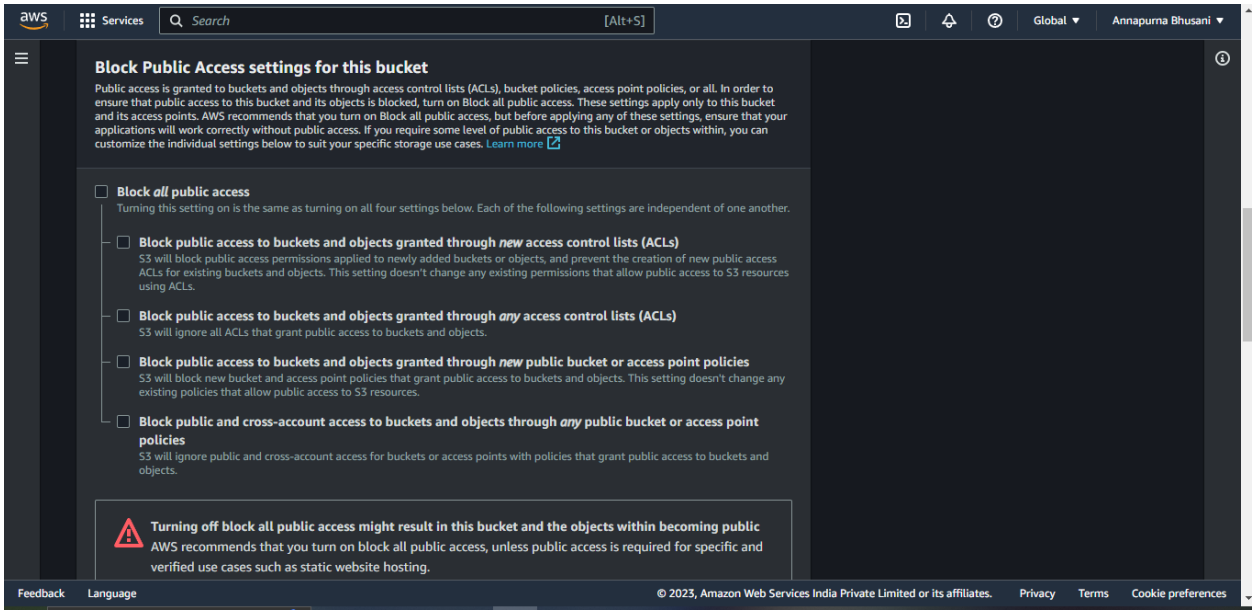
Go to the Amazon S3 service click on create bucket.



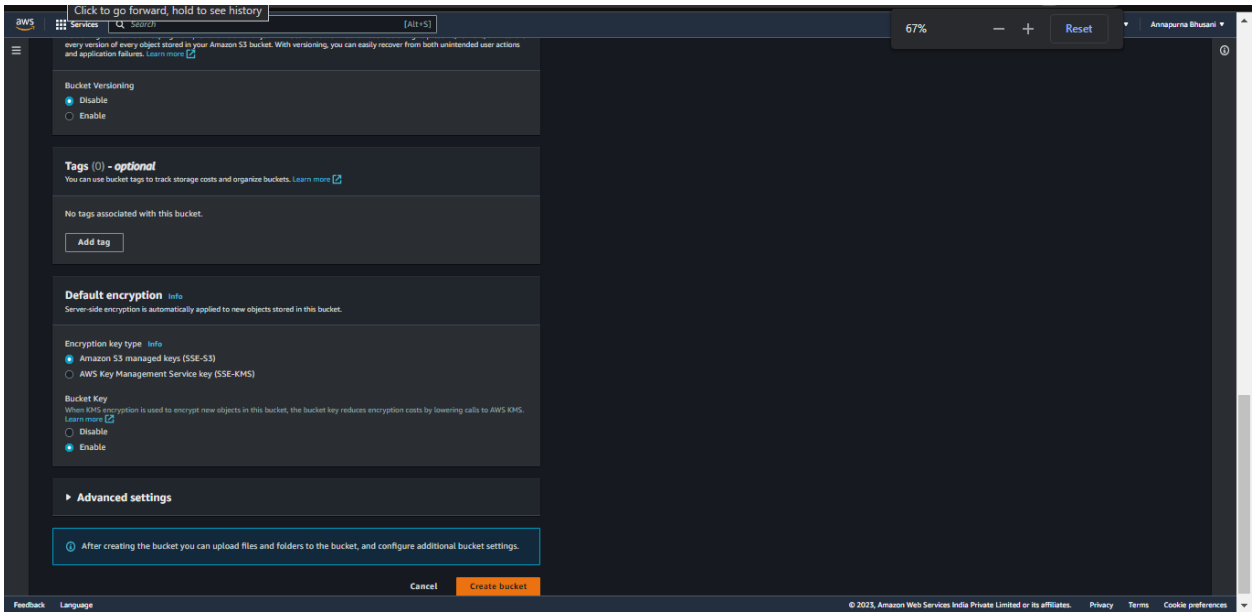
Name the bucket and the name should be unique.



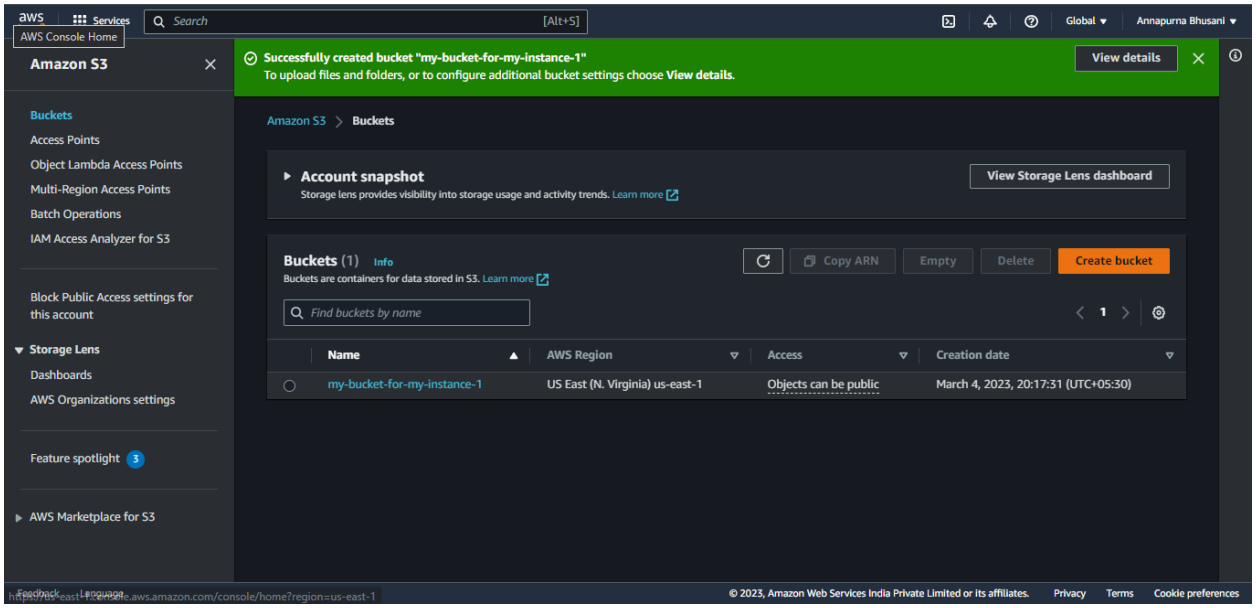
Do not check in the public access.

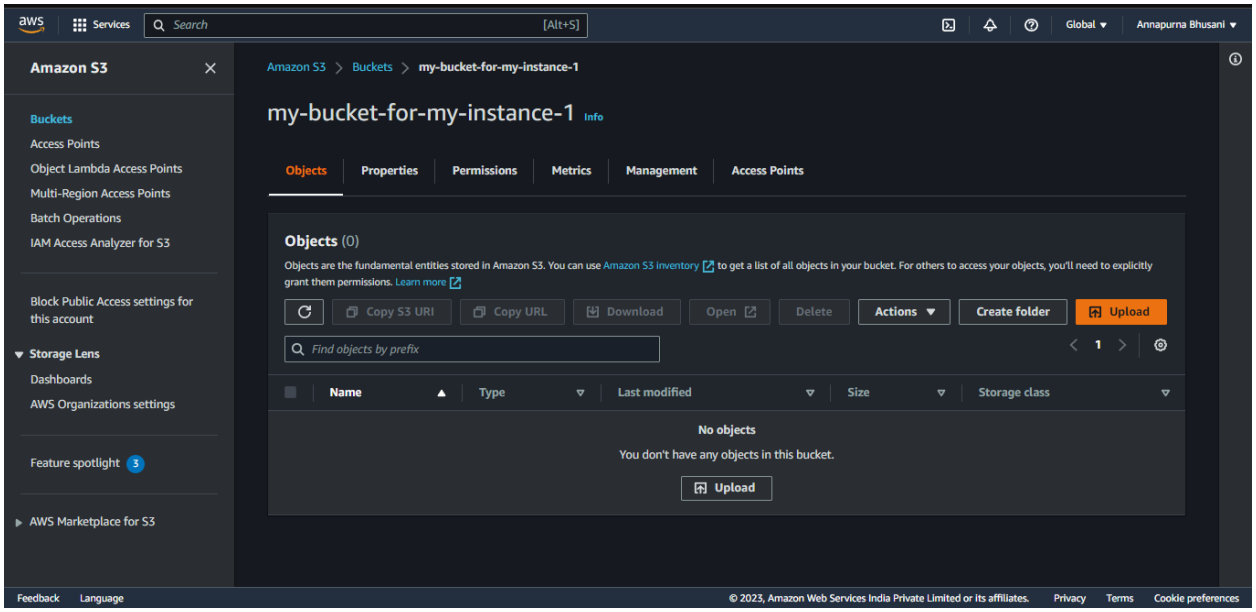


Now click on create bucket.

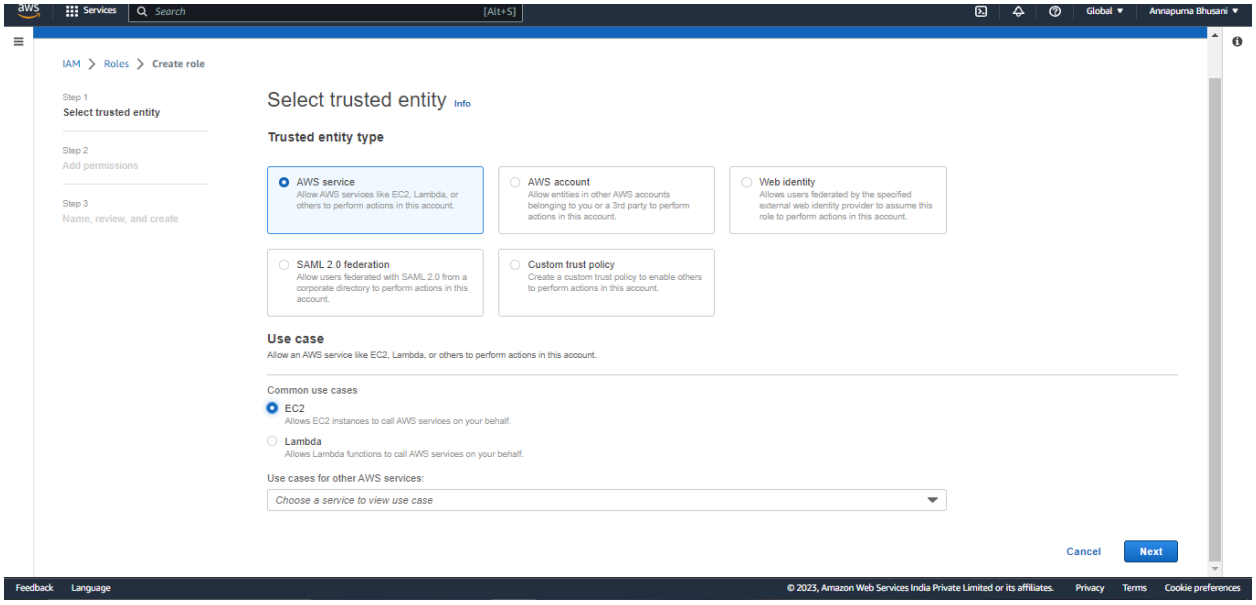


The bucket is successfully created.

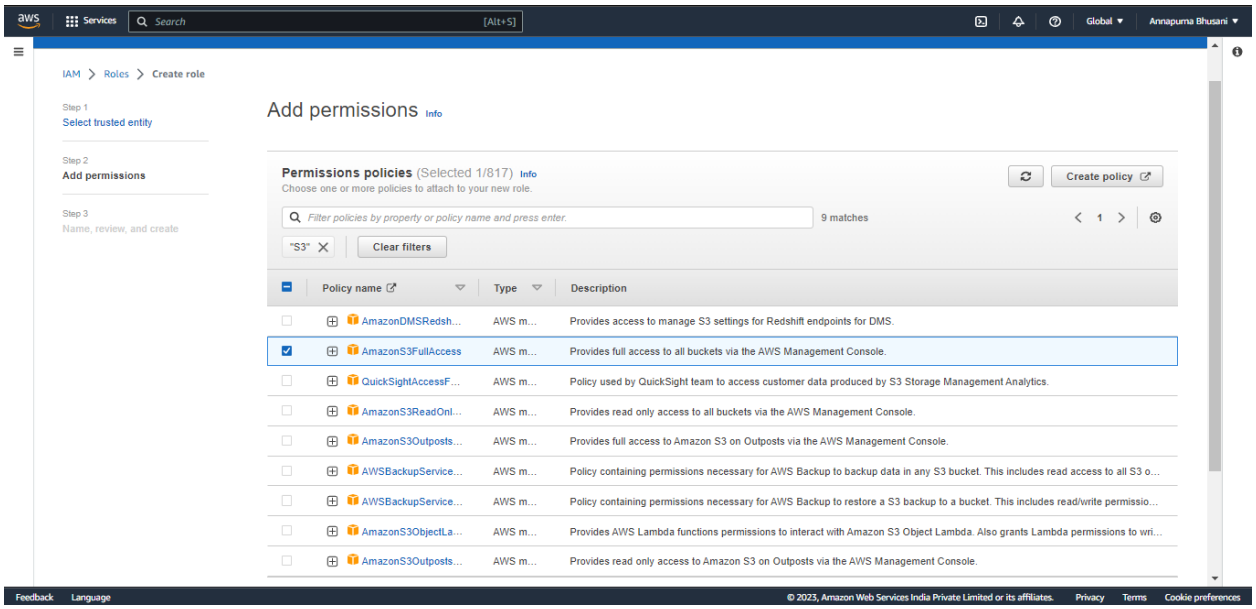




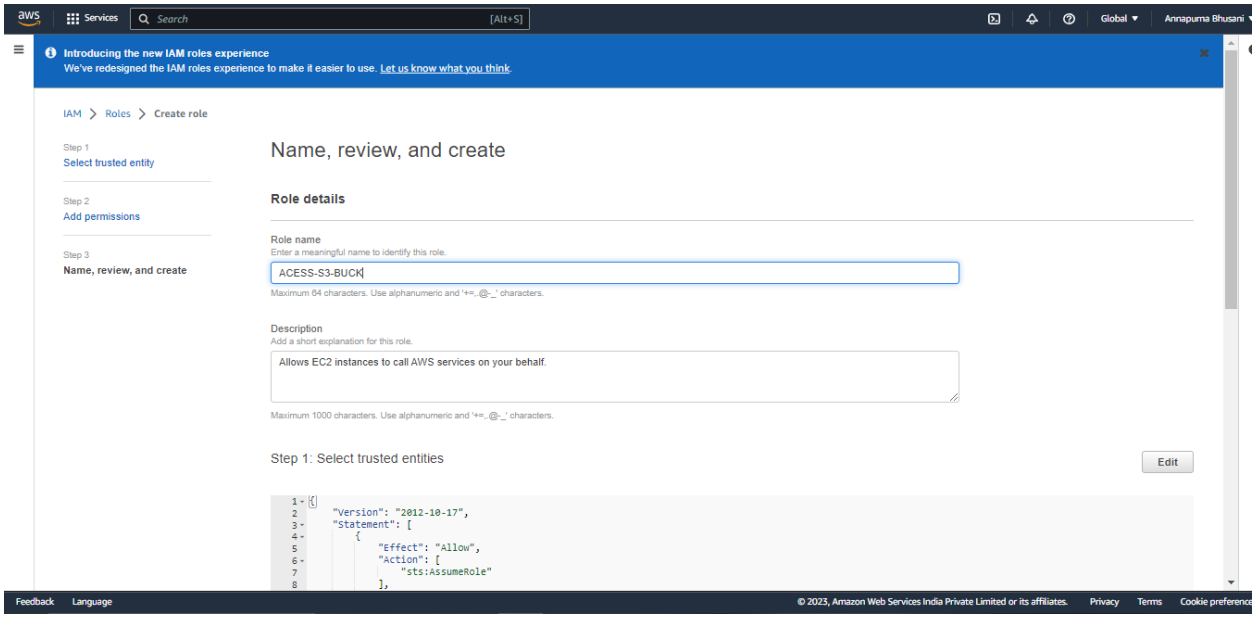
Now go to the IAM service to create a IAM role and giving full access to the s3 bucket and select the ec2 and click on next.



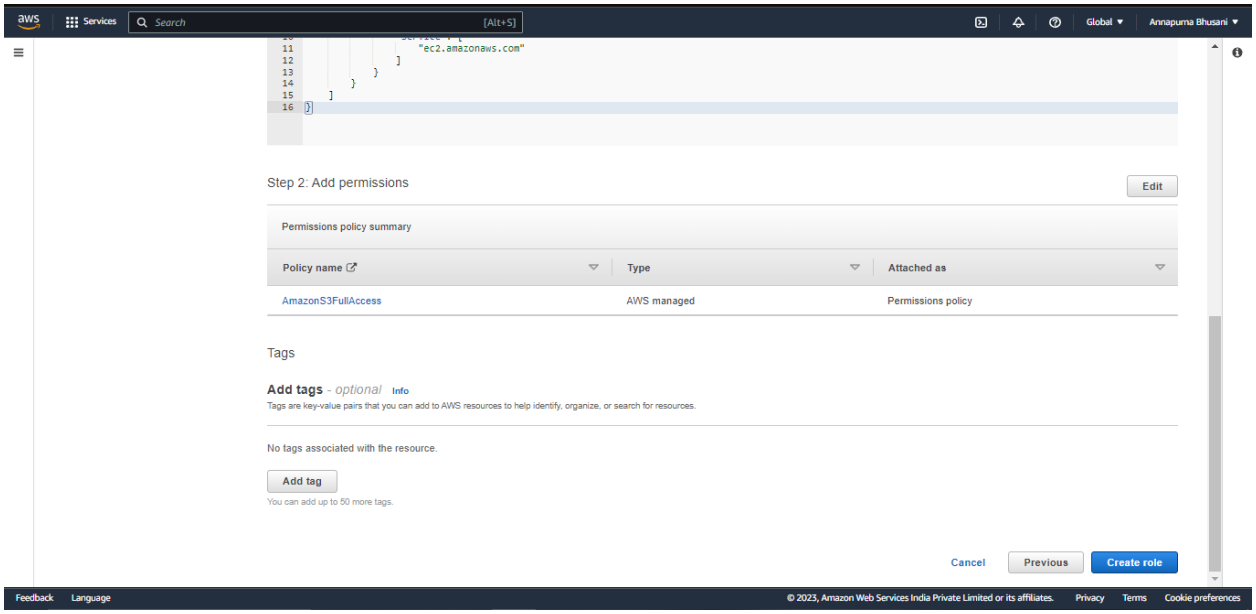
Now add the amazon s3 full access permission.



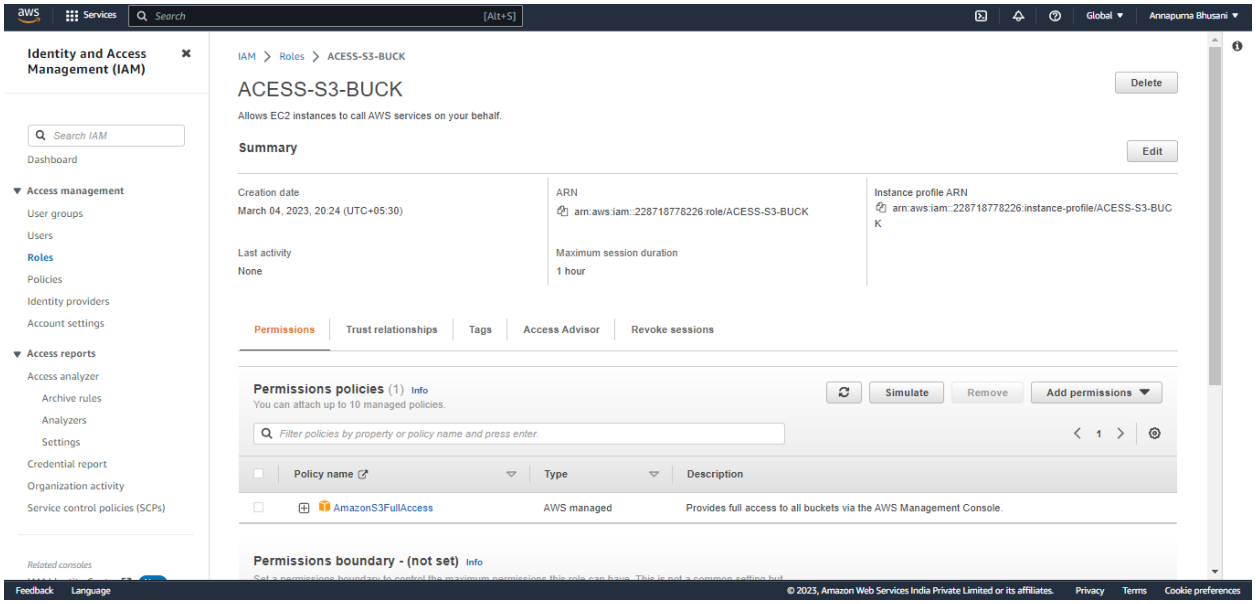
Name the role



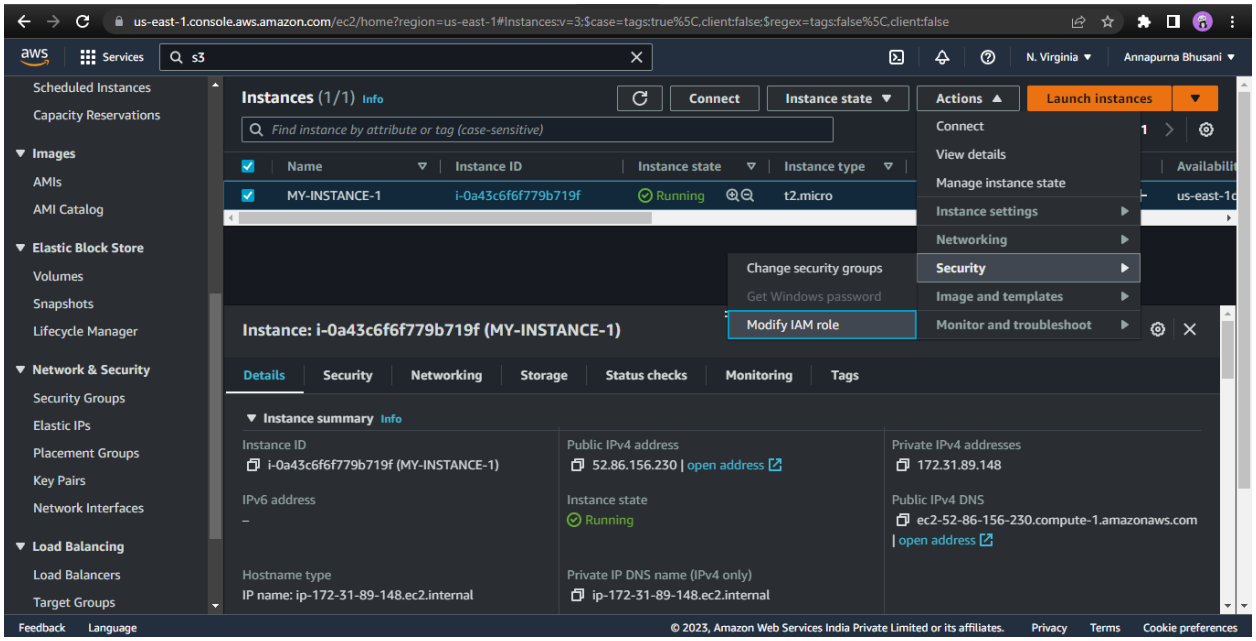
Click on create role.



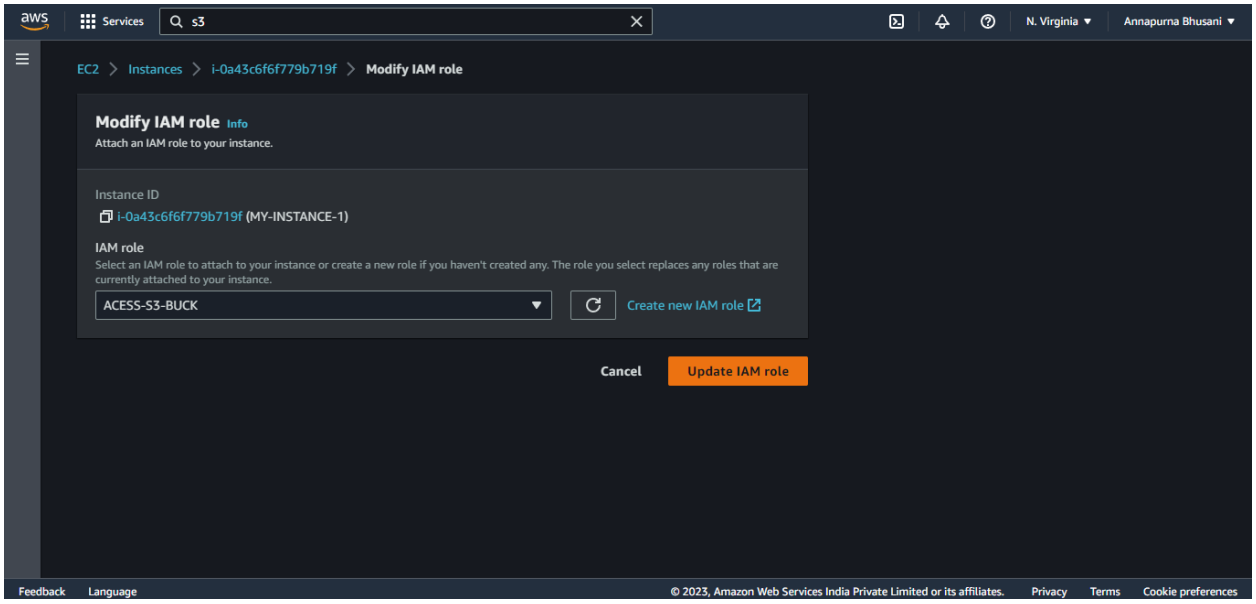
Now the IAM role is created.



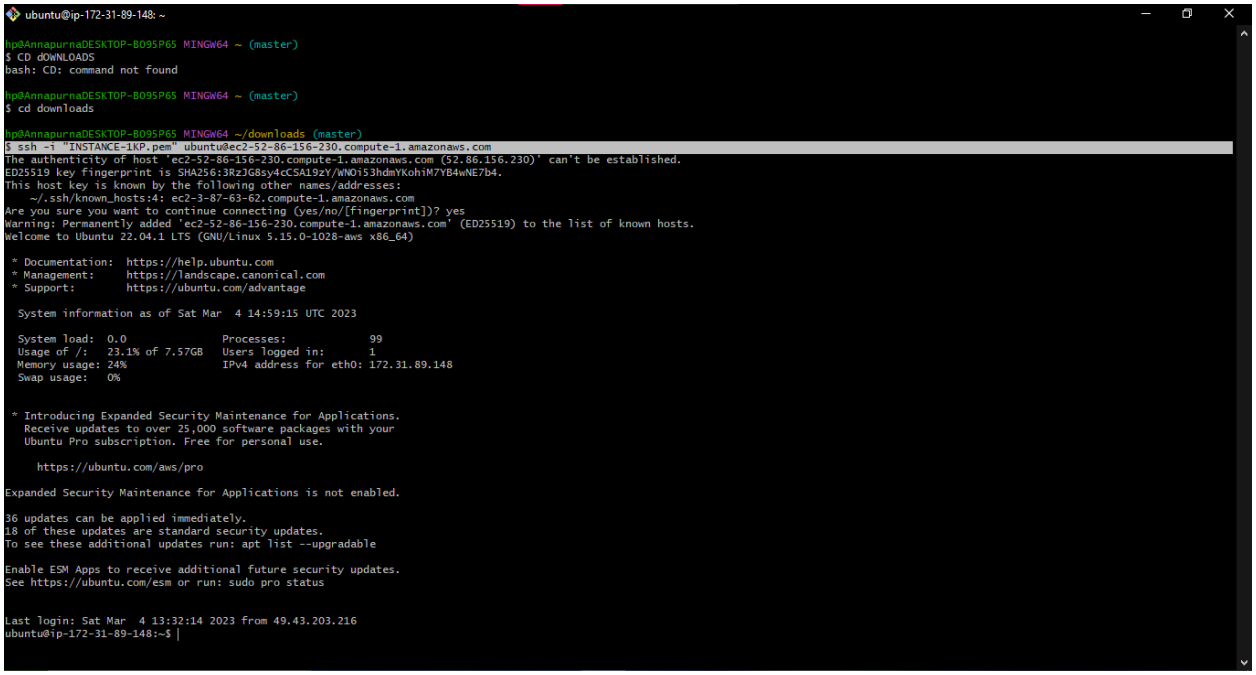
G o to the instance which we created and go to security → Modify IAM role.



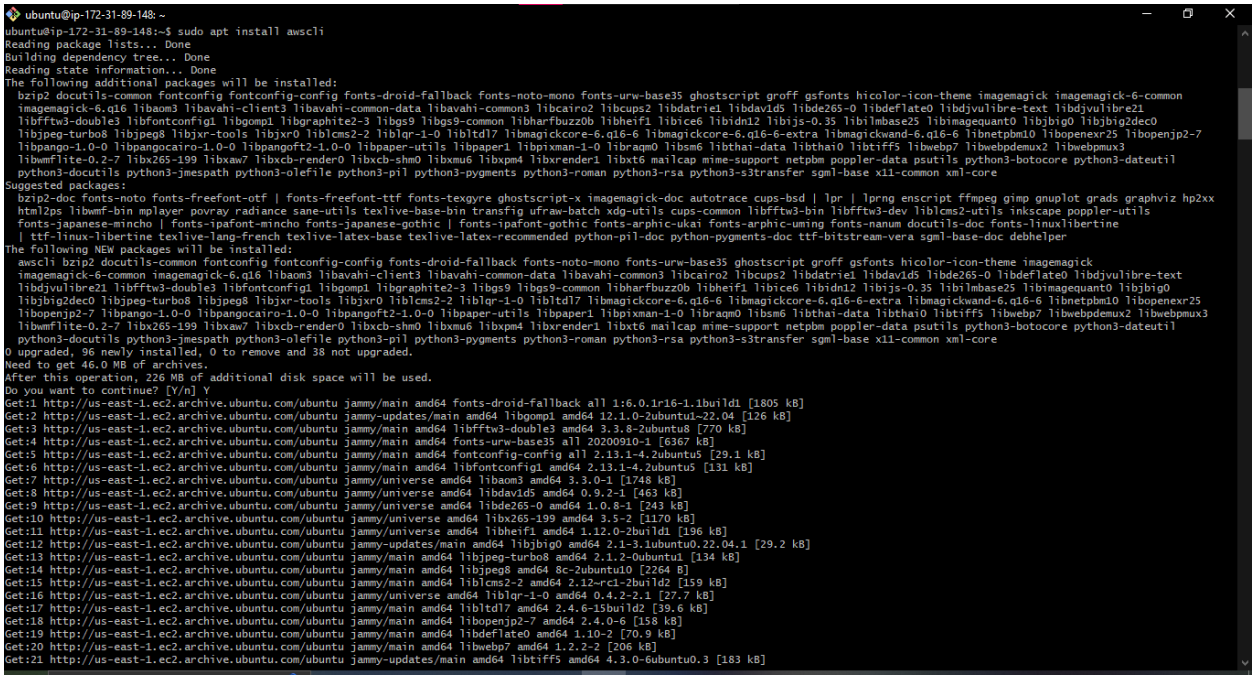
Select the IAM role which we created and click on the update IAM role.



Now connect the EC2 instance through local machine through ssh.



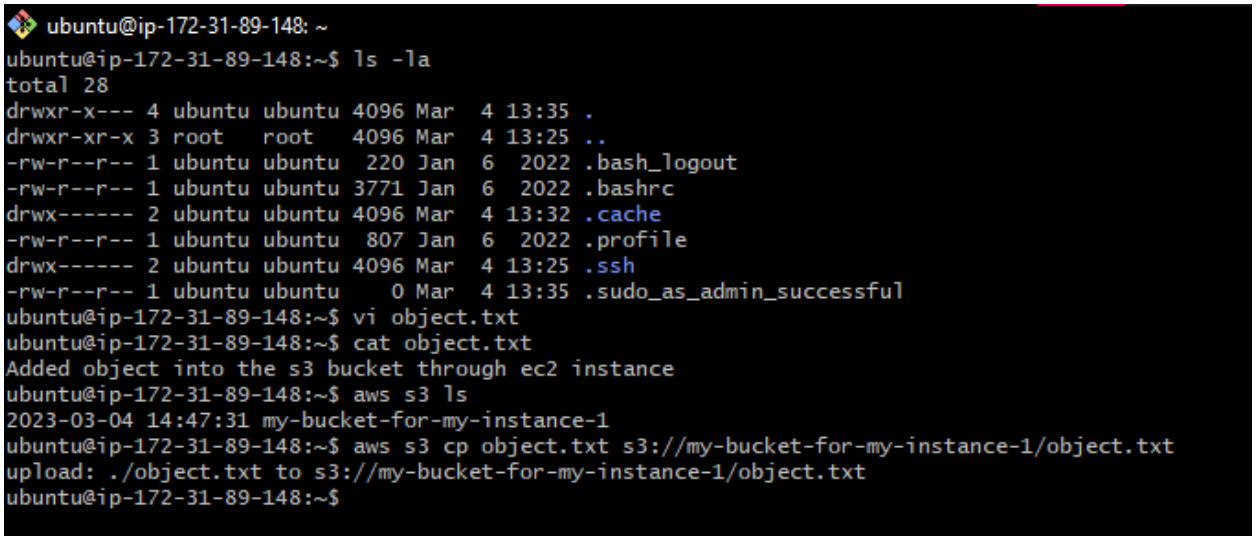
Now install the AWS command prompt using the command **sudo apt install awscli.**



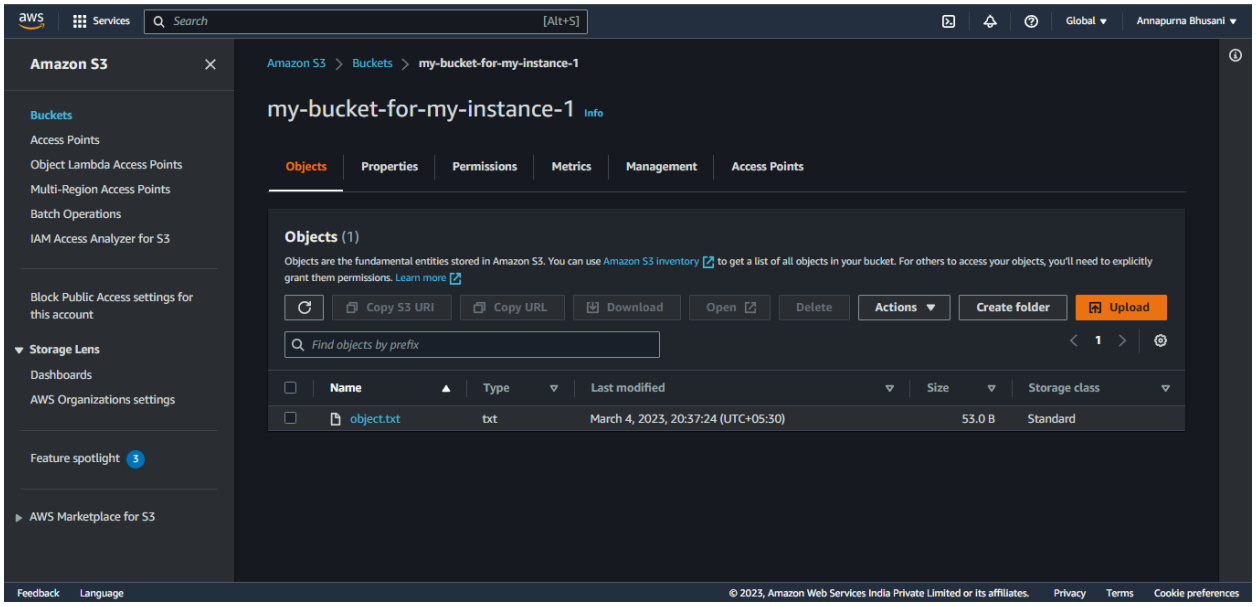
Created a file named object.txt and copied this file to the s3 bucket which I have created.

Using the below command I copied the file to the s3 bucket

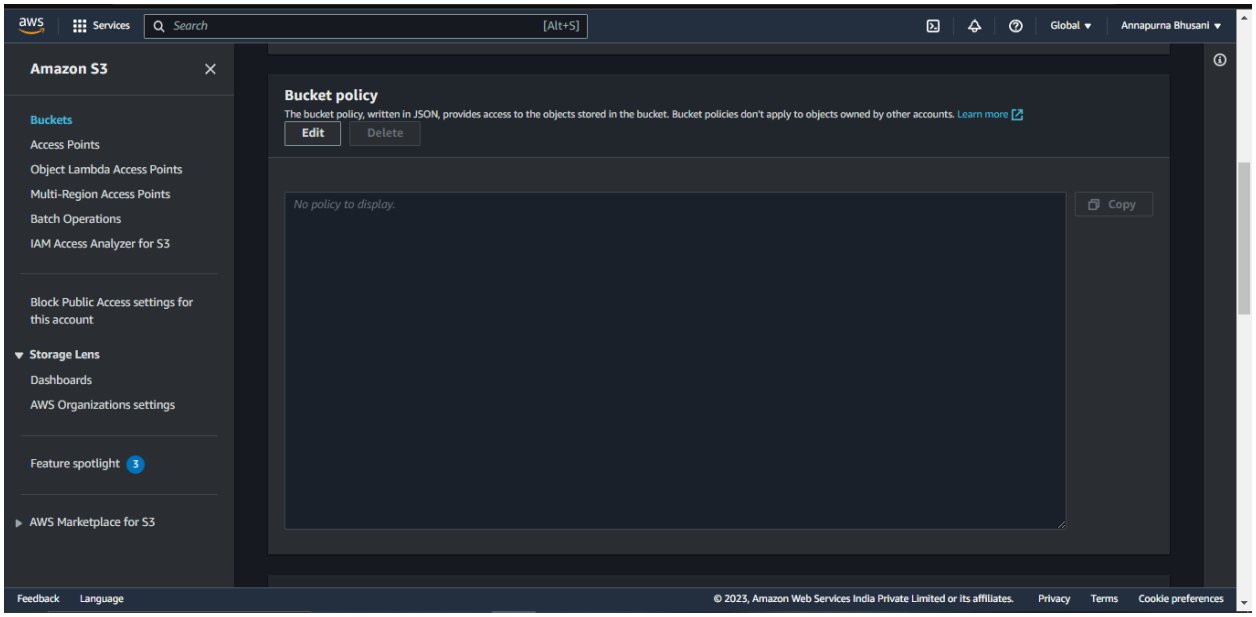
aws s3 cp object.ext s3://my-bucket-for-my-instance-1/object.txt



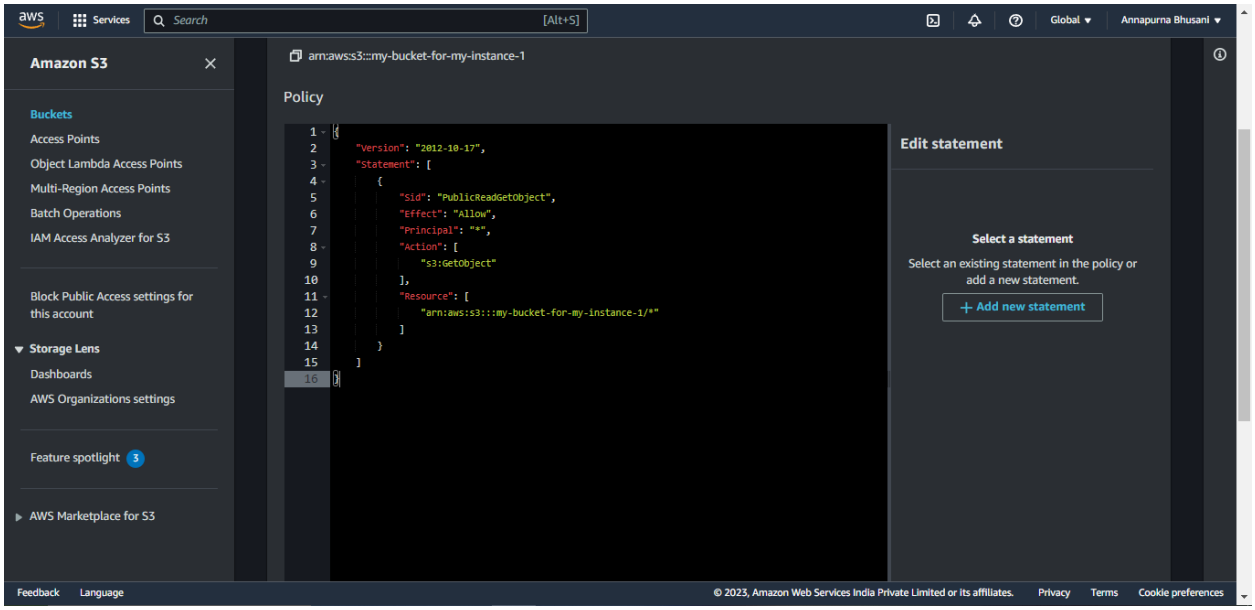
We can see that the file is uploaded.



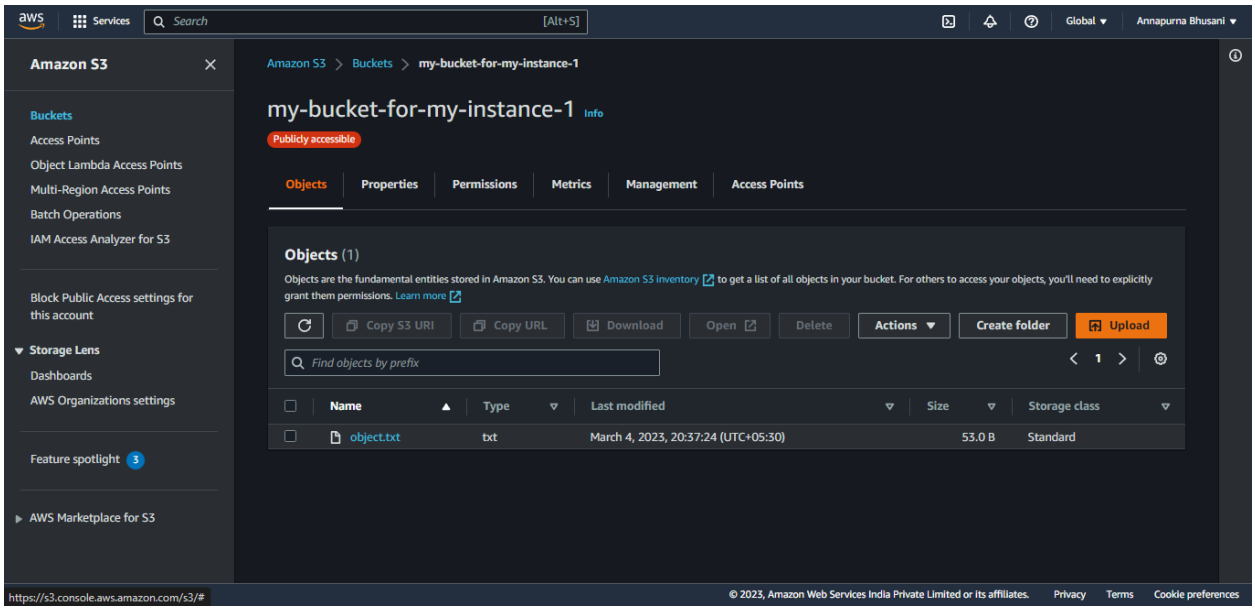
Go to permissions and click on edit in the bucket policy tab.



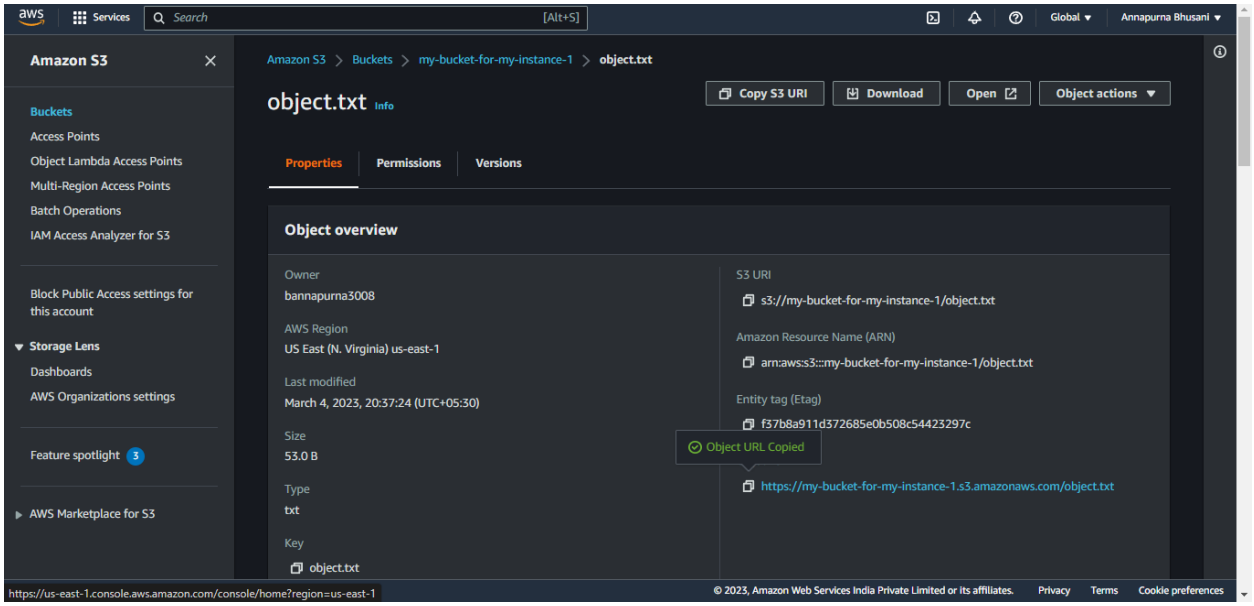
Edit the policy and save changes.



So after editing the bucket policy we can see that bucket as public access now.



This is the details of the object we copied to s3 through ec2. Copy the url of the object.



Paste the url on the local machine browser so that we can see the following output.