Tasks To Be Performed:

1. Based on what you have learnt in the class, do the following steps:
    a. Create a new folder
    b. Put the following files in the folder
        - Code.txt
        - Log.txt
        - Output.txt

    c. Stage the Code.txt and Output.txt files
    d. Commit them
    e. And finally push them to GitHub

2. Please share the commands for the above points

Launch an instance Info

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags Info

Name

git-mrng-12

Add additional tags

Application and OS Images (Amazon Machine Image) Info

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

Search our full catalog including 1000s of application and OS images

Recents | My AMIs | Quick Start

Summary

Number of instances Info

1

Software Image (AMI)

Canonical, Ubuntu, 24.04 LTS, ...read more

ami-04b70fa74e45c3917

Virtual server type (instance type)

t2.micro

Firewall (security group)

default

Storage (volumes)

1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in

Cancel

Launch instance

Review commands

Amazon Linux | macOS | Ubuntu | Windows | Red Hat | SU

Browse more AMIs

Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

Ubuntu Server 24.04 LTS (HVM), SSD Volume Type — Free tier eligible

ami-04b70fa74e45c3917 (64-bit (x86)) / ami-0eac975a54dfee8cb (64-bit (Arm))

Virtualization: hvm ENA enabled: true Root device type: ebs

Description

Canonical, Ubuntu, 24.04 LTS, amd64 noble image build on 2024-04-23

Architecture: 64-bit (x86)

AMI ID: ami-04b70fa74e45c3917 Verified provider

Instance type Info | Get advice

Instance type

t2.micro — Free tier eligible

Family: t2 1 vCPU 1 GiB Memory Current generation: true

On-Demand Windows base pricing: 0.0162 USD per Hour

All generations

Summary

Number of instances Info: 1

Software Image (AMI)

Canonical, Ubuntu, 24.04 LTS, ...read more

ami-04b70fa74e45c3917

Virtual server type (instance type)

t2.micro

Firewall (security group)

default

Storage (volumes)

1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in

Cancel | Launch instan

Review commands

t2.micro — Free tier eligible

Family: t2 1 vCPU 1 GiB Memory Current generation: true
On-Demand Windows base pricing: 0.0162 USD per Hour
On-Demand SUSE base pricing: 0.0116 USD per Hour
On-Demand RHEL base pricing: 0.0716 USD per Hour
On-Demand Linux base pricing: 0.0116 USD per Hour t2.micro

All generations

Compare instance types

Additional costs apply for AMIs with pre-installed software

Key pair (login) Info

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - *required*

sujith123

Create new key pair

Network settings Info

Edit

Network Info

vpc-06a980b08a54688af

Subnet Info

No preference (Default subnet in any availability zone)

Summary

Number of instances Info

1

Software Image (AMI)

Canonical, Ubuntu, 24.04 LTS, ...read more
ami-04b70fa74e45c3917

Virtual server type (instance type)

t2.micro

Firewall (security group)

default

Storage (volumes)

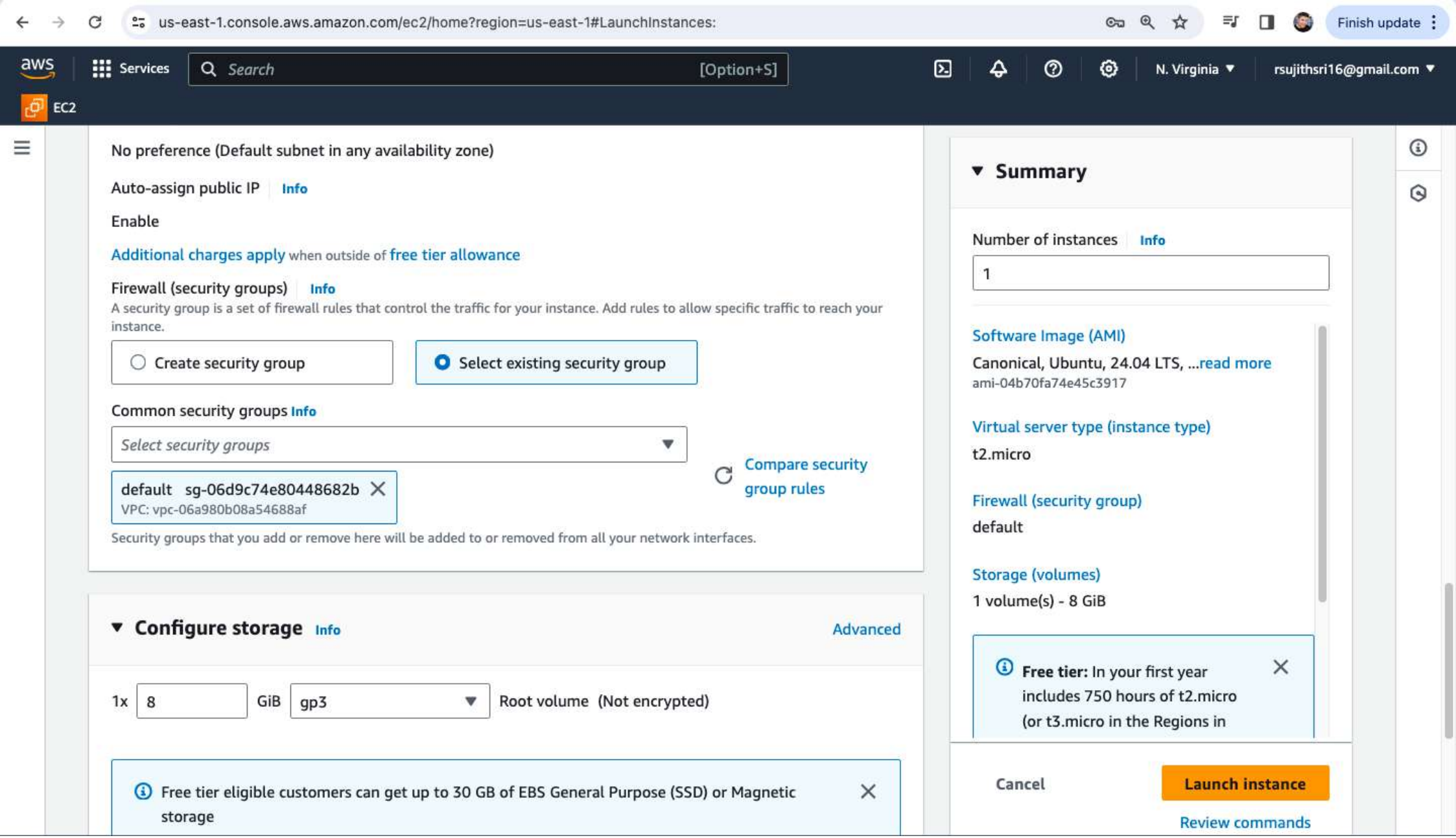
1 volume(s) - 8 GiB

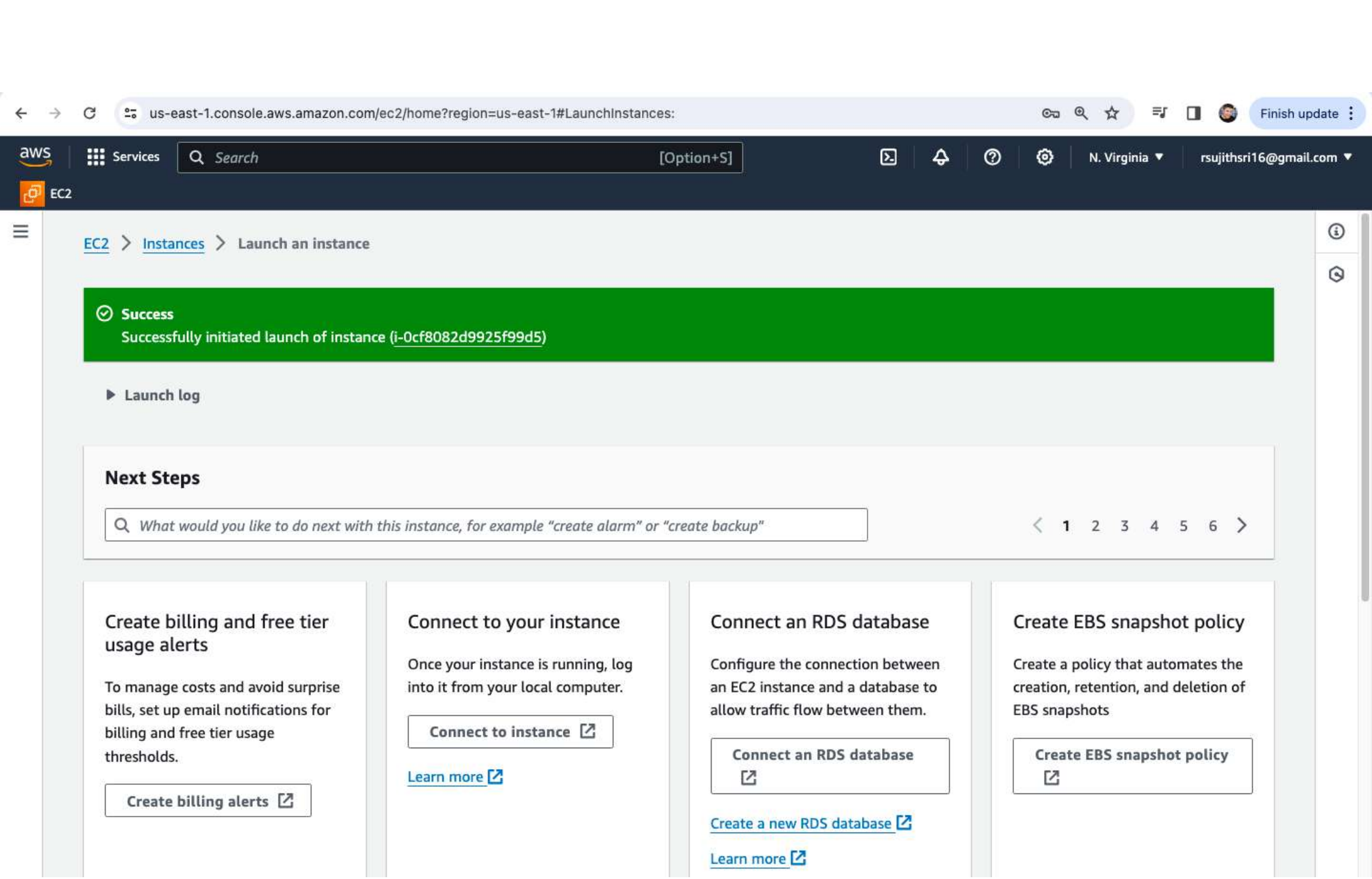
Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in

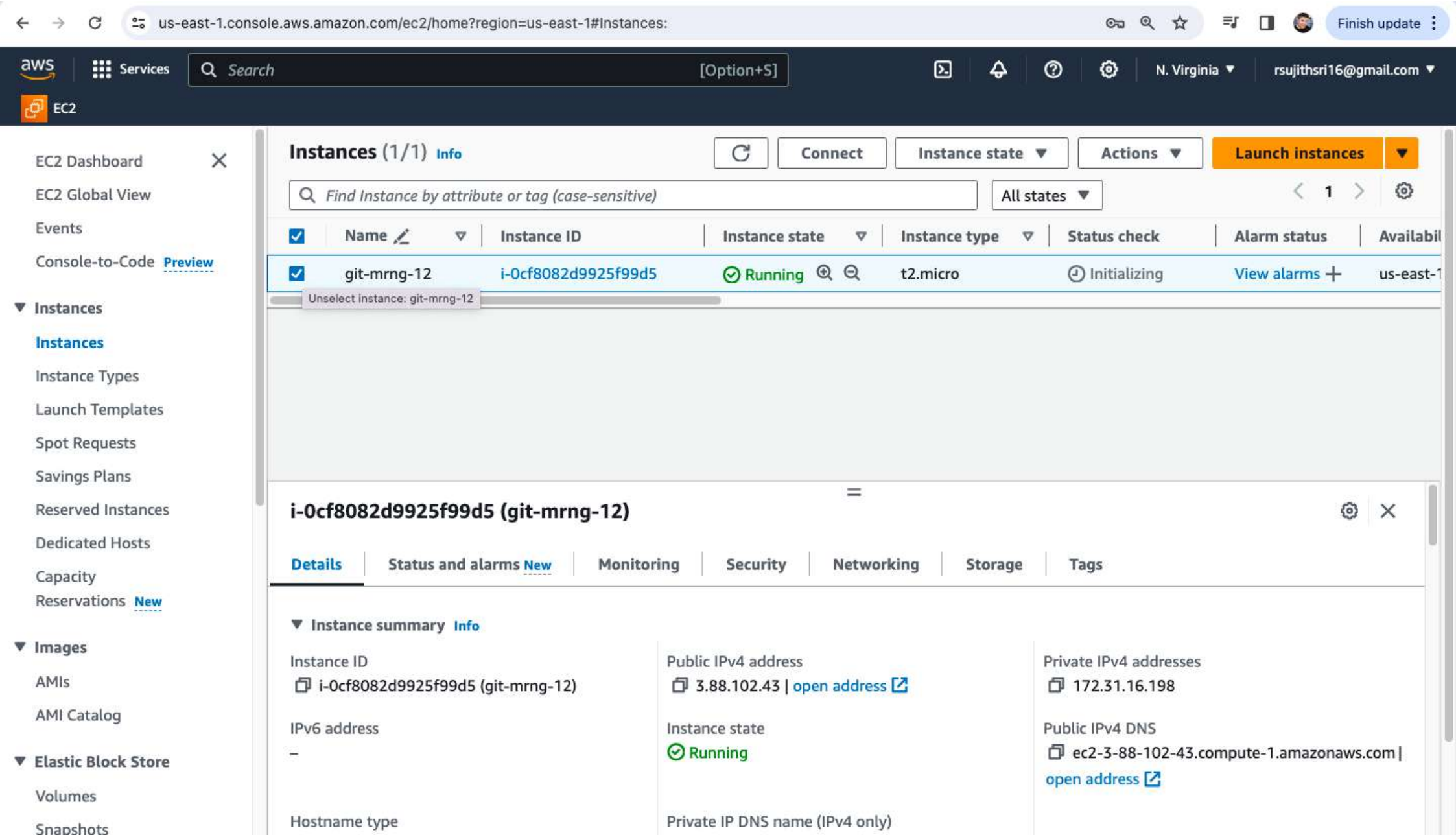
Cancel

Launch instan

Review commands


us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:
Finish update
aws
Services
Search
[Option+S]
N. Virginia
rsujithsri16@gmail.com
EC2
No preference (Default subnet in any availability zone)
Auto-assign public IP
Info
Enable
Additional charges apply when outside of free tier allowance
Firewall (security groups)
Info
A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.
Create security group
Select existing security group
Common security groups Info
Select security groups
default sg-06d9c74e80448682b
VPC: vpc-06a980b08a54688af
Compare security group rules
Security groups that you add or remove here will be added to or removed from all your network interfaces.
Configure storage
Info
Advanced
1x
8
GiB
gp3
Root volume (Not encrypted)
Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage
Summary
Number of instances
Info
1
Software Image (AMI)
Canonical, Ubuntu, 24.04 LTS, ...read more
ami-04b70fa74e45c3917
Virtual server type (instance type)
t2.micro
Firewall (security group)
default
Storage (volumes)
1 volume(s) - 8 GiB
Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in
Cancel
Launch instance
Review commands


us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:
Finish update
aws
Services
Search
[Option+S]
N. Virginia
rsujithsri16@gmail.com
EC2
EC2 > Instances > Launch an instance
Success
Successfully initiated launch of instance (i-0cf8082d9925f99d5)
Launch log
Next Steps
What would you like to do next with this instance, for example "create alarm" or "create backup"
1 2 3 4 5 6
Create billing and free tier usage alerts
To manage costs and avoid surprise bills, set up email notifications for billing and free tier usage thresholds.
Create billing alerts
Connect to your instance
Once your instance is running, log into it from your local computer.
Connect to instance
Learn more
Connect an RDS database
Configure the connection between an EC2 instance and a database to allow traffic flow between them.
Connect an RDS database
Create a new RDS database
Learn more
Create EBS snapshot policy
Create a policy that automates the creation, retention, and deletion of EBS snapshots
Create EBS snapshot policy


us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:
Finish update
aws
Services
Search
[Option+S]
N. Virginia
rsujithsri16@gmail.com
EC2
EC2 Dashboard
EC2 Global View
Events
Console-to-Code Preview
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations New
Images
AMIs
AMI Catalog
Elastic Block Store
Volumes
Snapshots
Instances (1/1) Info
Connect
Instance state
Actions
Launch instances
Find Instance by attribute or tag (case-sensitive)
All states
1
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
Availabil
git-mrng-12
i-0cf8082d9925f99d5
Running
t2.micro
Initializing
View alarms
us-east-1
Unselect instance: git-mrng-12
i-0cf8082d9925f99d5 (git-mrng-12)
Details
Status and alarms New
Monitoring
Security
Networking
Storage
Tags
Instance summary Info
Instance ID
i-0cf8082d9925f99d5 (git-mrng-12)
IPv6 address
–
Hostname type
Public IPv4 address
3.88.102.43 | open address
Instance state
Running
Private IP DNS name (IPv4 only)
Private IPv4 addresses
172.31.16.198
Public IPv4 DNS
ec2-3-88-102-43.compute-1.amazonaws.com | open address

Connect to instance Info

Connect to your instance i-0cf8082d9925f99d5 (git-mrng-12) using any of these options

EC2 Instance Connect | Session Manager | SSH client | EC2 serial console

Port 22 (SSH) is open to all IP addresses

Port 22 (SSH) is currently open to all IP addresses, indicated by 0.0.0.0/0 in the inbound rule in your security group. For increased security, consider restricting access to only the EC2 Instance Connect service IP addresses for your Region: 18.206.107.24/29. Learn more.

Instance ID

i-0cf8082d9925f99d5 (git-mrng-12)

Connection Type

- (●) Connect using EC2 Instance Connect
  Connect using the EC2 Instance Connect browser-based client, with a public IPv4 address.
- ( ) Connect using EC2 Instance Connect Endpoint
  Connect using the EC2 Instance Connect browser-based client, with a private IPv4 address and a VPC endpoint.

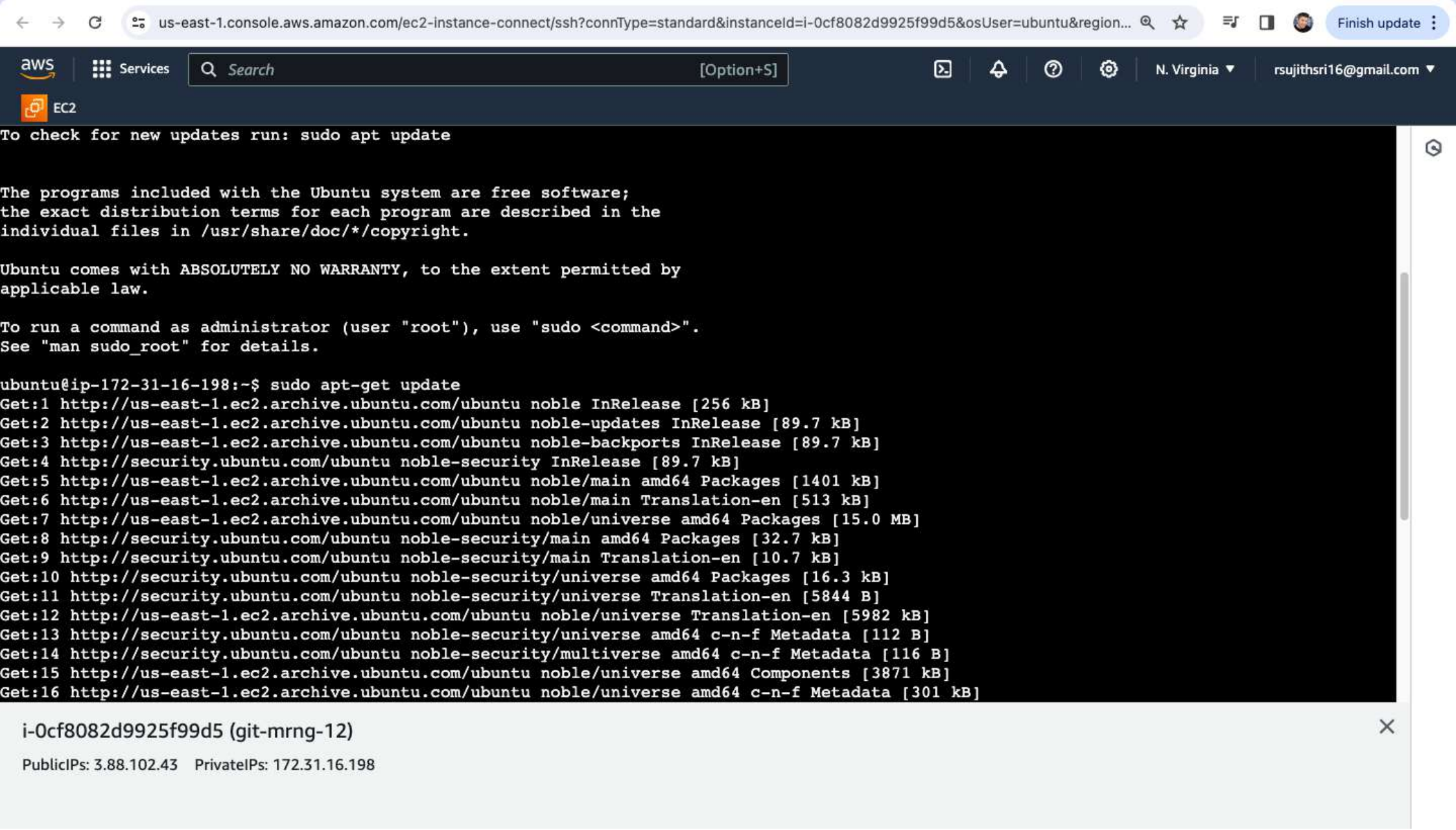
Public IP address

3.88.102.43

Username

Enter the username defined in the AMI used to launch the instance. If you didn't define a custom username, use the default username, ubuntu.

ubuntu


us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0cf8082d9925f99d5&osUser=ubuntu&region...
Finish update
aws
Services
Search
[Option+S]
N. Virginia
rsujithsri16@gmail.com
EC2
To check for new updates run: sudo apt update
The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.
ubuntu@ip-172-31-16-198:~$ sudo apt-get update
Get:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble InRelease [256 kB]
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease [89.7 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease [89.7 kB]
Get:4 http://security.ubuntu.com/ubuntu noble-security InRelease [89.7 kB]
Get:5 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 Packages [1401 kB]
Get:6 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main Translation-en [513 kB]
Get:7 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Packages [15.0 MB]
Get:8 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [32.7 kB]
Get:9 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [10.7 kB]
Get:10 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages [16.3 kB]
Get:11 http://security.ubuntu.com/ubuntu noble-security/universe Translation-en [5844 B]
Get:12 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe Translation-en [5982 kB]
Get:13 http://security.ubuntu.com/ubuntu noble-security/universe amd64 c-n-f Metadata [112 B]
Get:14 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 c-n-f Metadata [116 B]
Get:15 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Components [3871 kB]
Get:16 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 c-n-f Metadata [301 kB]
i-0cf8082d9925f99d5 (git-mrng-12)
PublicIPs: 3.88.102.43 PrivateIPs: 172.31.16.198

github.com/new

Finish update

New repository

Type / to search

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? Import a repository.

Required fields are marked with an asterisk (*).

Owner * **Repository name ***

sujith123ak / Gith-assignment1

Gith-assignment1 is available.

Great repository names are short and memorable. Need inspiration? How about **musical-goggles** ?

Description (optional)

- **Public**
  Anyone on the internet can see this repository. You choose who can commit.
- **Private**
  You choose who can see and commit to this repository.

Initialize this repository with:

- **Add a README file**
  This is where you can write a long description for your project. Learn more about READMEs.

Add .gitignore

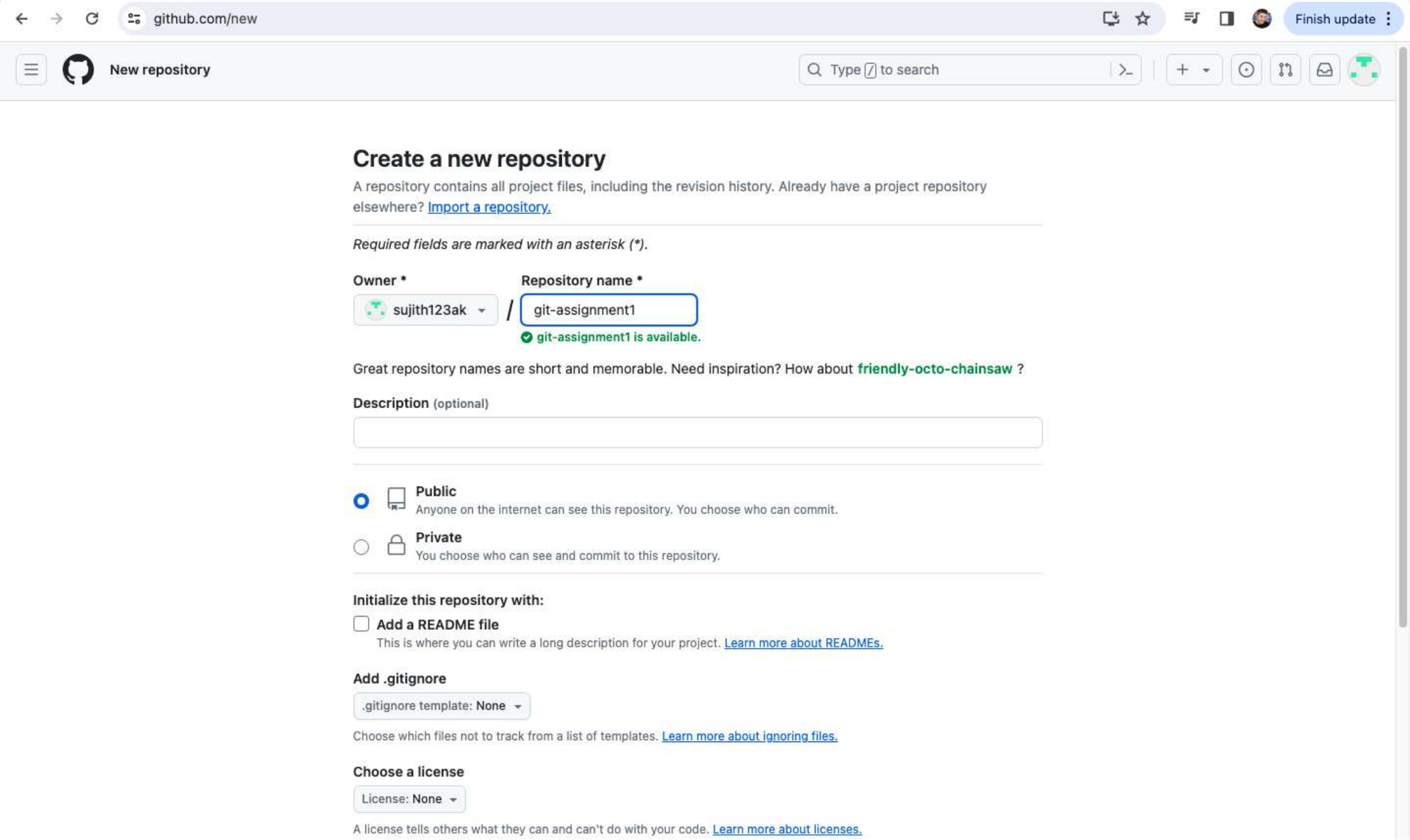
.gitignore template: None

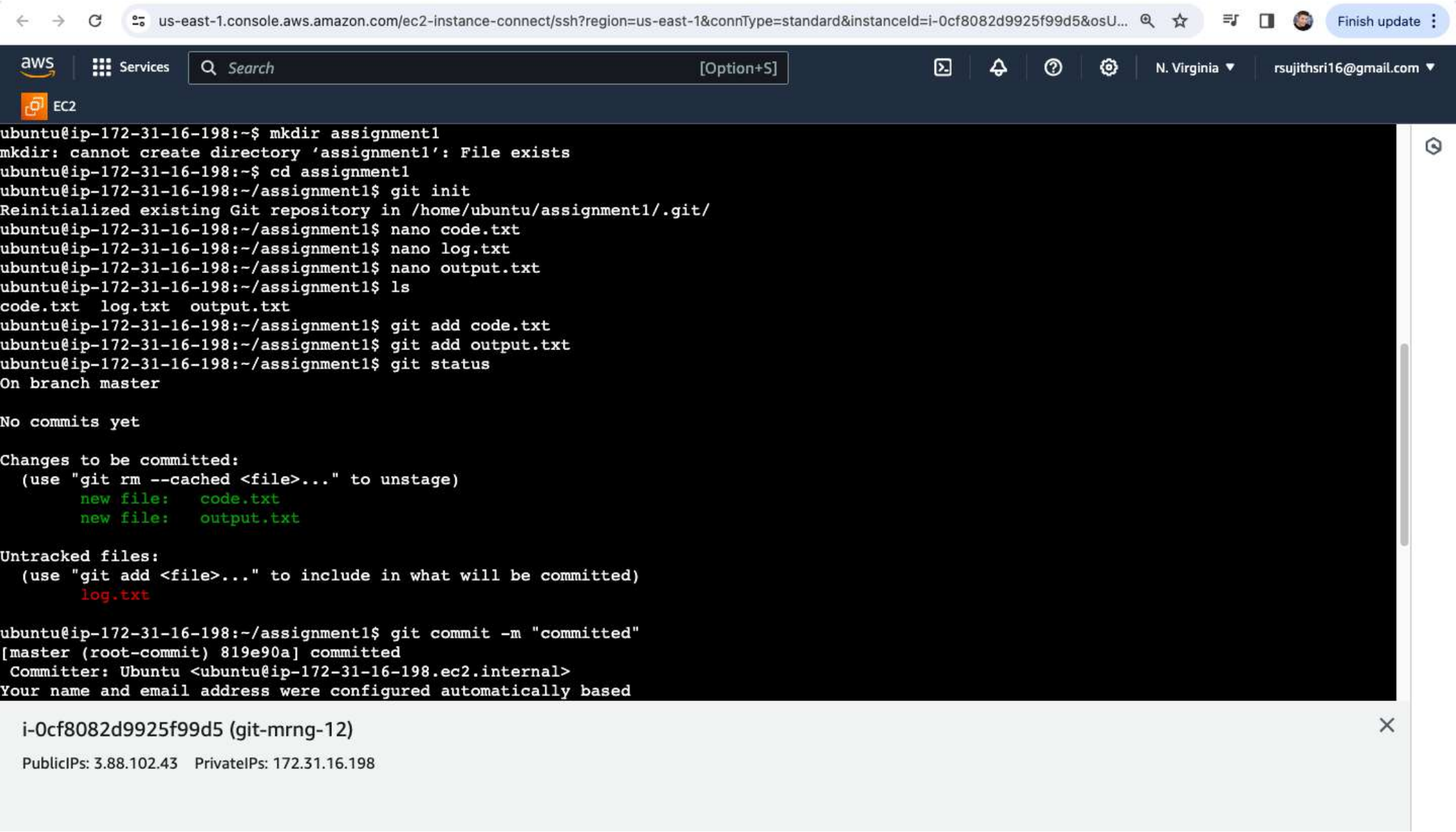
Choose which files not to track from a list of templates. Learn more about ignoring files.

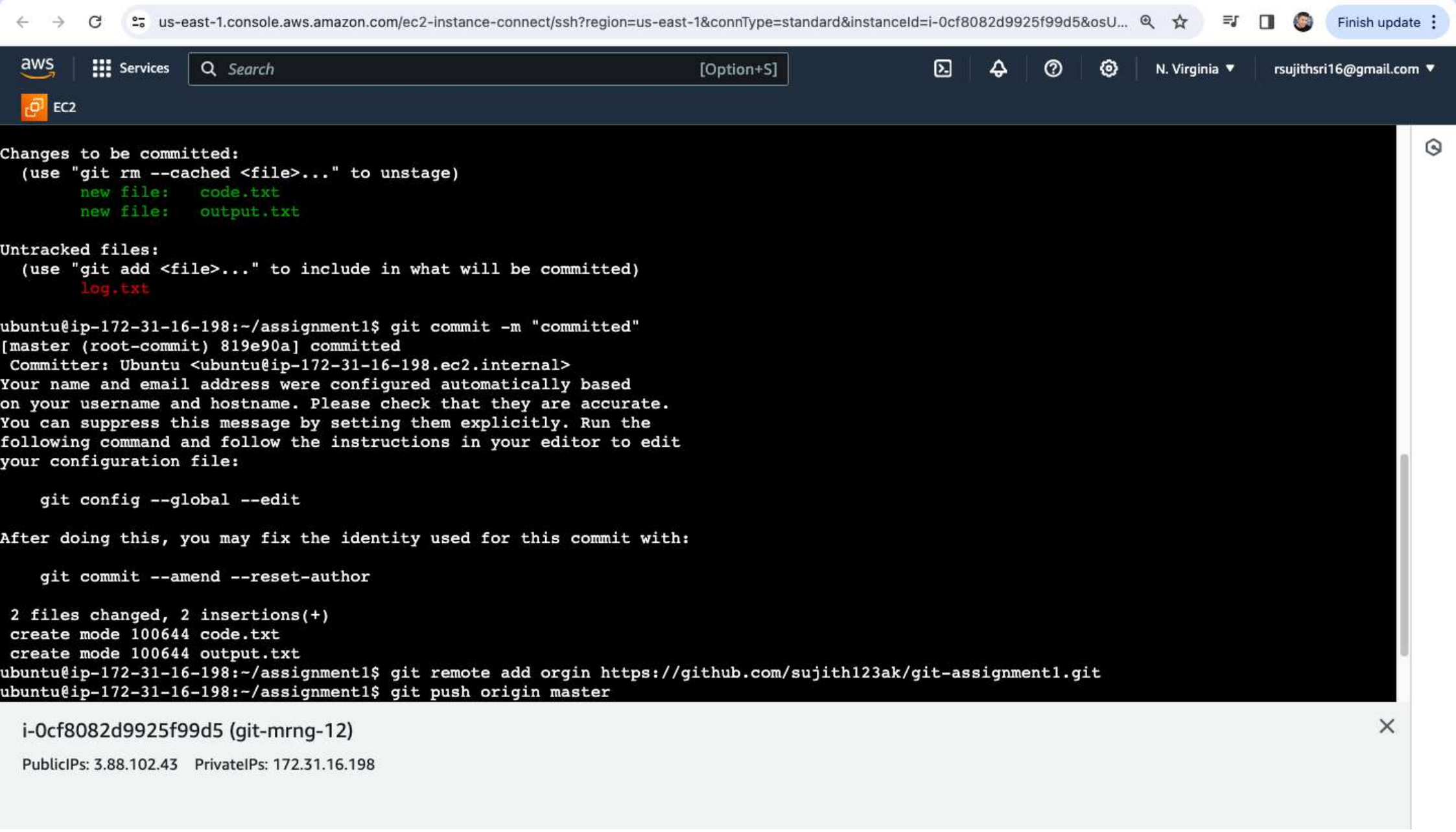
Choose a license

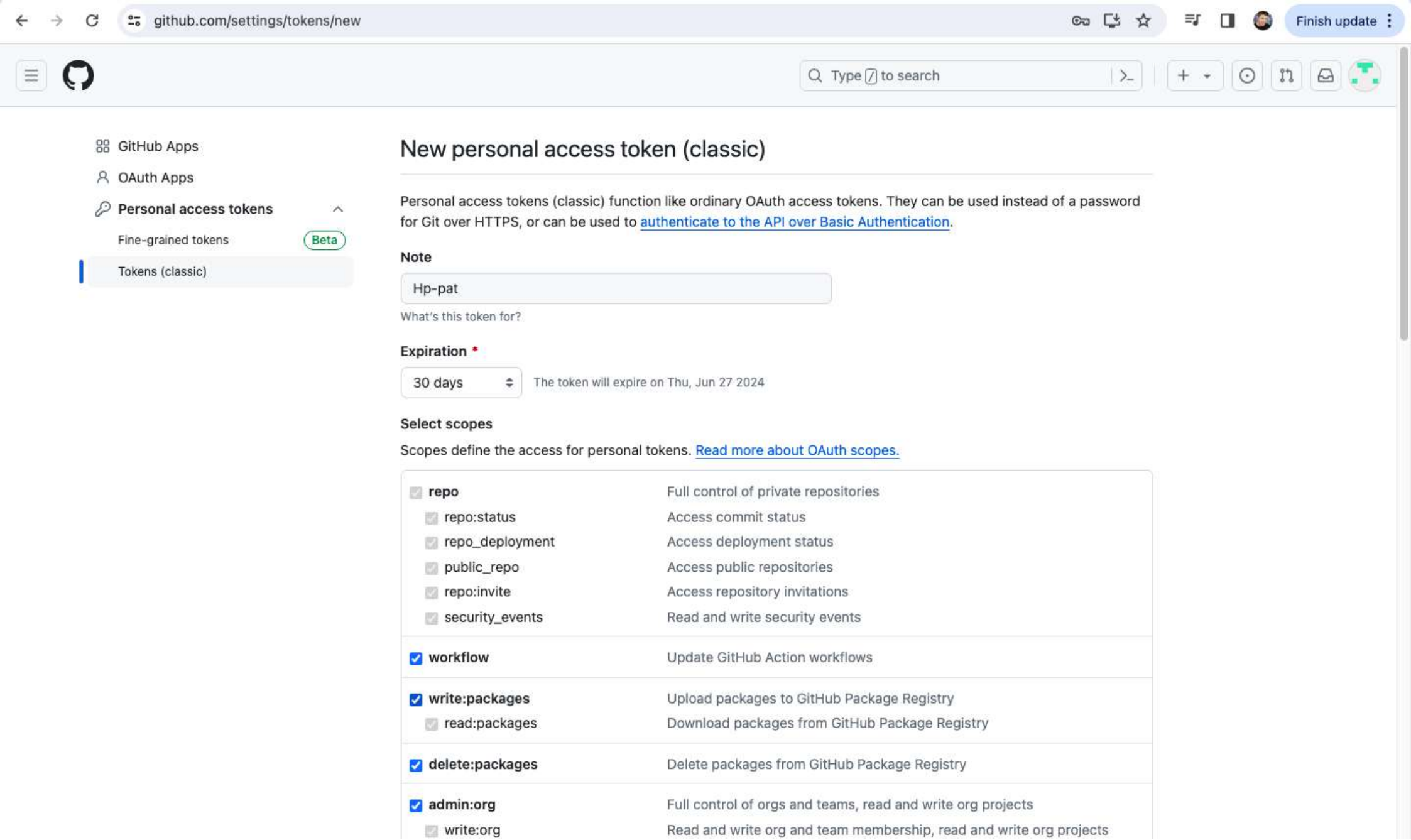
License: None

A license tells others what they can and can't do with your code. Learn more about licenses.


github.com/new
Finish update
New repository
Type / to search
Create a new repository
A repository contains all project files, including the revision history. Already have a project repository elsewhere? Import a repository.
Required fields are marked with an asterisk (*).
Owner *
sujith123ak
/
Repository name *
git-assignment1
git-assignment1 is available.
Great repository names are short and memorable. Need inspiration? How about friendly-octo-chainsaw ?
Description (optional)
Public
Anyone on the internet can see this repository. You choose who can commit.
Private
You choose who can see and commit to this repository.
Initialize this repository with:
Add a README file
This is where you can write a long description for your project. Learn more about READMEs.
Add .gitignore
.gitignore template: None
Choose which files not to track from a list of templates. Learn more about ignoring files.
Choose a license
License: None
A license tells others what they can and can't do with your code. Learn more about licenses.

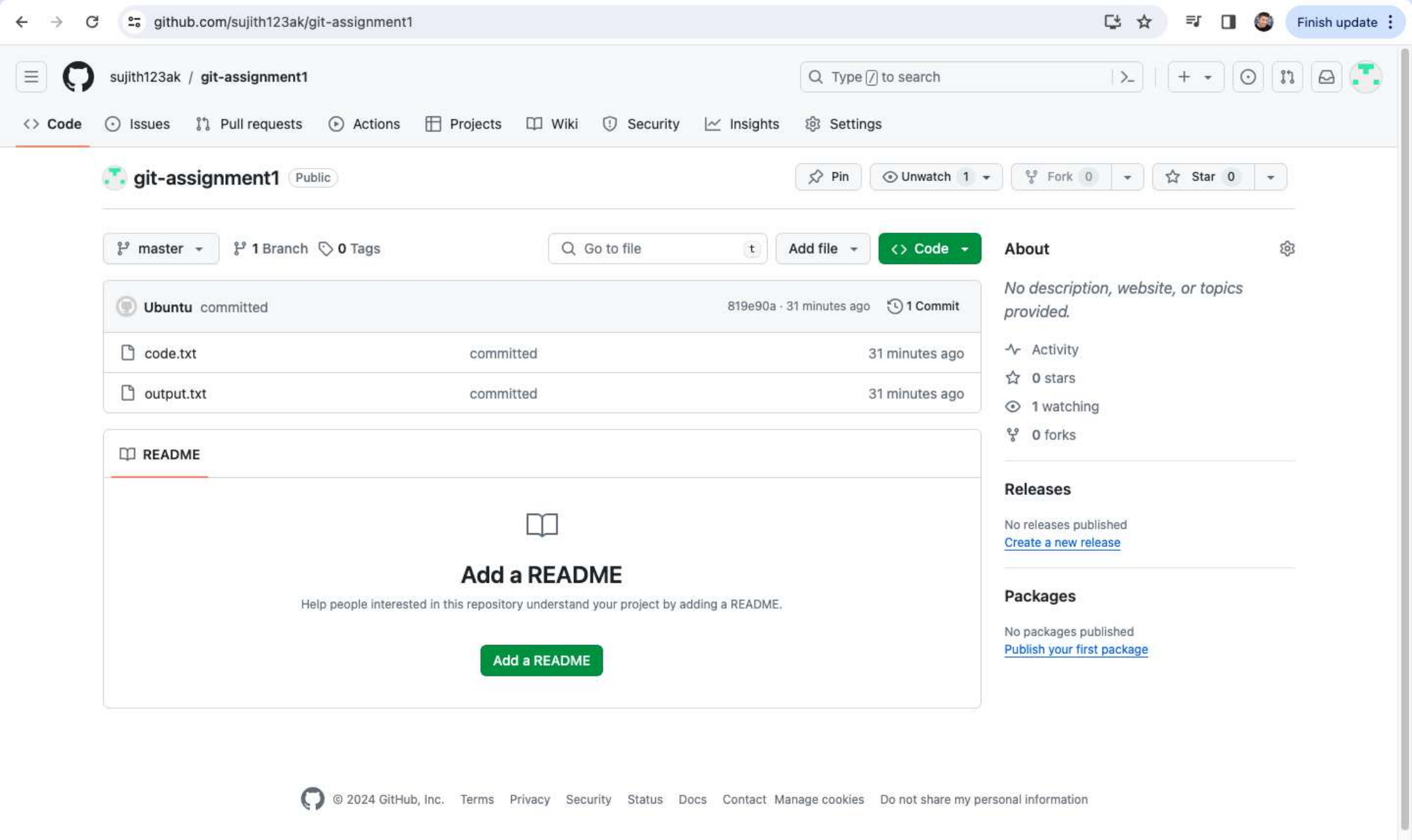

us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-0cf8082d9925f99d5&osU...
Finish update
aws
Services
Search
[Option+S]
N. Virginia
rsujithsri16@gmail.com
EC2
ubuntu@ip-172-31-16-198:~$ mkdir assignment1
mkdir: cannot create directory ‘assignment1’: File exists
ubuntu@ip-172-31-16-198:~$ cd assignment1
ubuntu@ip-172-31-16-198:~/assignment1$ git init
Reinitialized existing Git repository in /home/ubuntu/assignment1/.git/
ubuntu@ip-172-31-16-198:~/assignment1$ nano code.txt
ubuntu@ip-172-31-16-198:~/assignment1$ nano log.txt
ubuntu@ip-172-31-16-198:~/assignment1$ nano output.txt
ubuntu@ip-172-31-16-198:~/assignment1$ ls
code.txt log.txt output.txt
ubuntu@ip-172-31-16-198:~/assignment1$ git add code.txt
ubuntu@ip-172-31-16-198:~/assignment1$ git add output.txt
ubuntu@ip-172-31-16-198:~/assignment1$ git status
On branch master
No commits yet
Changes to be committed:
(use "git rm --cached <file>..." to unstage)
new file: code.txt
new file: output.txt
Untracked files:
(use "git add <file>..." to include in what will be committed)
log.txt
ubuntu@ip-172-31-16-198:~/assignment1$ git commit -m "committed"
[master (root-commit) 819e90a] committed
Committer: Ubuntu <ubuntu@ip-172-31-16-198.ec2.internal>
Your name and email address were configured automatically based
i-0cf8082d9925f99d5 (git-mrng-12)
PublicIPs: 3.88.102.43 PrivateIPs: 172.31.16.198

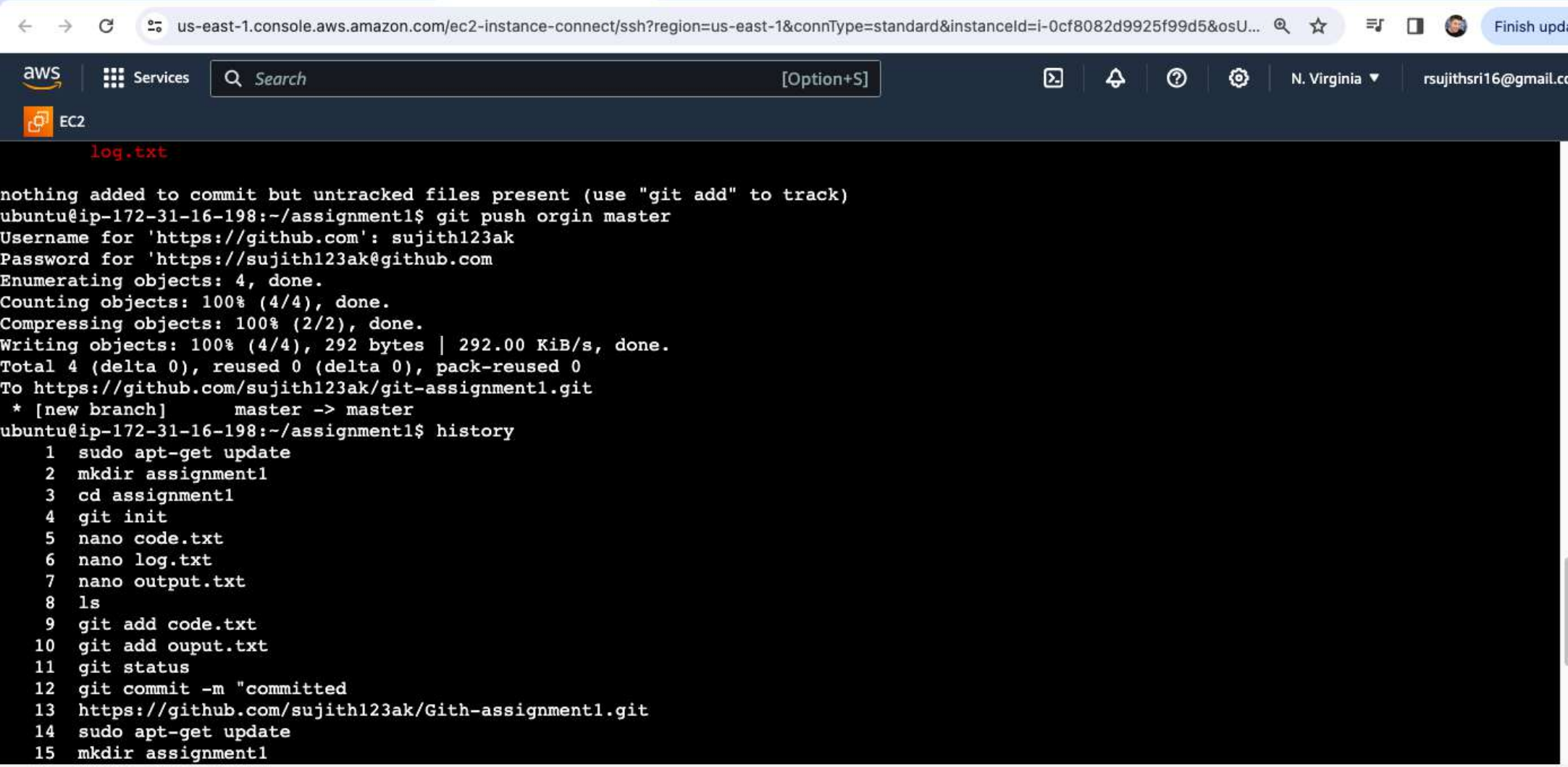

us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-0cf8082d9925f99d5&osU...
Finish update
aws
Services
Search
[Option+S]
N. Virginia
rsujithsri16@gmail.com
EC2
Changes to be committed:
(use "git rm --cached <file>..." to unstage)
new file: code.txt
new file: output.txt
Untracked files:
(use "git add <file>..." to include in what will be committed)
log.txt
ubuntu@ip-172-31-16-198:~/assignment1$ git commit -m "committed"
[master (root-commit) 819e90a] committed
Committer: Ubuntu <ubuntu@ip-172-31-16-198.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:
git config --global --edit
After doing this, you may fix the identity used for this commit with:
git commit --amend --reset-author
2 files changed, 2 insertions(+)
create mode 100644 code.txt
create mode 100644 output.txt
ubuntu@ip-172-31-16-198:~/assignment1$ git remote add orgin https://github.com/sujith123ak/git-assignment1.git
ubuntu@ip-172-31-16-198:~/assignment1$ git push origin master
i-0cf8082d9925f99d5 (git-mrng-12)
PublicIPs: 3.88.102.43 PrivateIPs: 172.31.16.198

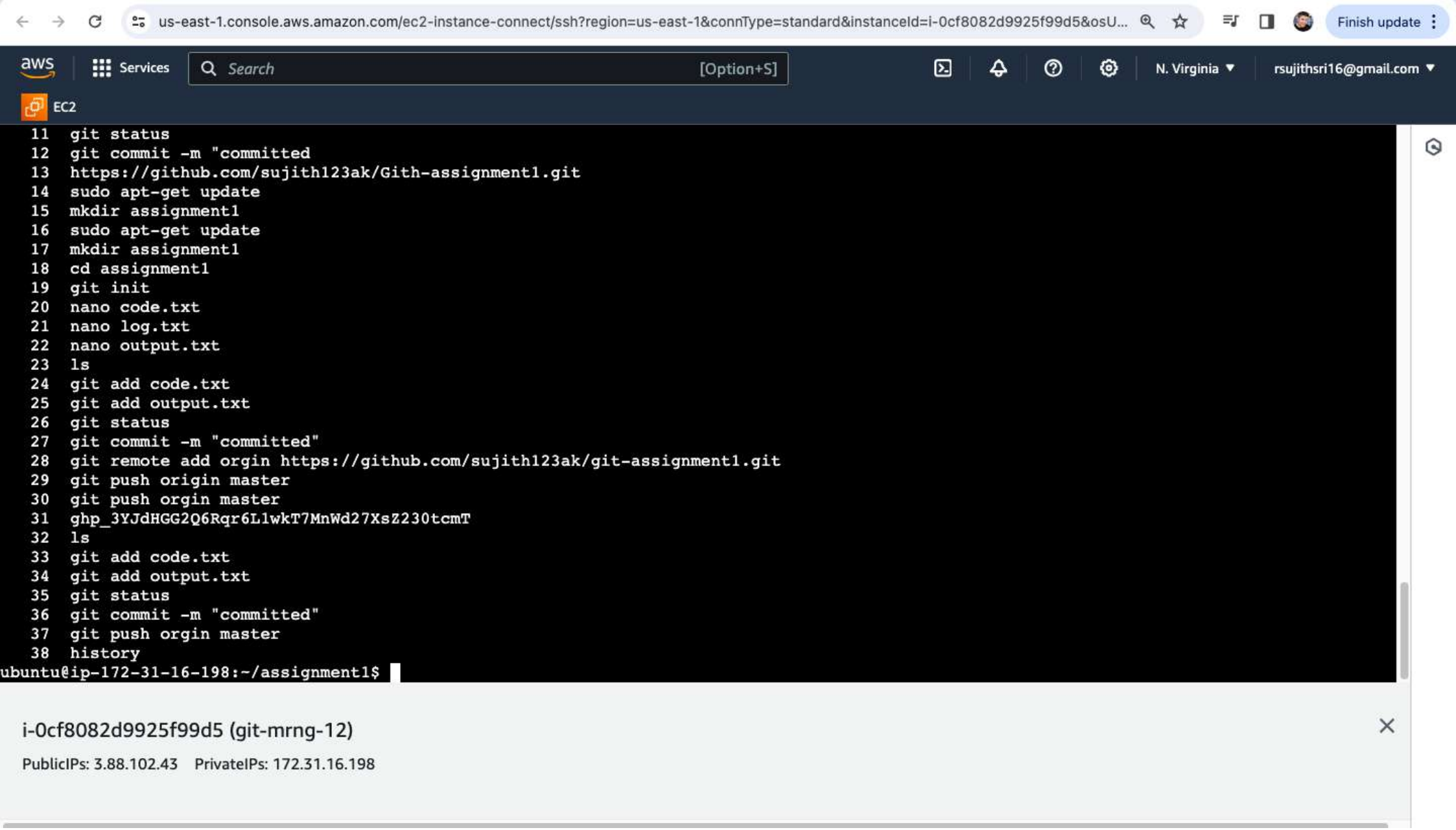

github.com/settings/tokens/new
Finish update
Type / to search
GitHub Apps
OAuth Apps
Personal access tokens
Fine-grained tokens
Beta
Tokens (classic)
New personal access token (classic)
Personal access tokens (classic) function like ordinary OAuth access tokens. They can be used instead of a password for Git over HTTPS, or can be used to authenticate to the API over Basic Authentication.
Note
Hp-pat
What's this token for?
Expiration *
30 days
The token will expire on Thu, Jun 27 2024
Select scopes
Scopes define the access for personal tokens. Read more about OAuth scopes.
repo
Full control of private repositories
repo:status
Access commit status
repo_deployment
Access deployment status
public_repo
Access public repositories
repo:invite
Access repository invitations
security_events
Read and write security events
workflow
Update GitHub Action workflows
write:packages
Upload packages to GitHub Package Registry
read:packages
Download packages from GitHub Package Registry
delete:packages
Delete packages from GitHub Package Registry
admin:org
Full control of orgs and teams, read and write org projects
write:org
Read and write org and team membership, read and write org projects

delete_repo	Delete repositories
write:discussion	Read and write team discussions
read:discussion	Read team discussions
admin:enterprise	Full control of enterprises
manage_runners:enterprise	Manage enterprise runners and runner groups
manage_billing:enterprise	Read and write enterprise billing data
read:enterprise	Read enterprise profile data
audit_log	Full control of audit log
read:audit_log	Read access of audit log
codespace	Full control of codespaces
codespace:secrets	Ability to create, read, update, and delete codespace secrets
copilot	Full control of GitHub Copilot settings and seat assignments
manage_billing:copilot	View and edit Copilot Business seat assignments
project	Full control of projects
read:project	Read access of projects
admin:gpg_key	Full control of public user GPG keys
write:gpg_key	Write public user GPG keys
read:gpg_key	Read public user GPG keys
admin:ssh_signing_key	Full control of public user SSH signing keys
write:ssh_signing_key	Write public user SSH signing keys
read:ssh_signing_key	Read public user SSH signing keys

Generate token Cancel


github.com/sujith123ak/git-assignment1
Finish update
sujith123ak / git-assignment1
Type / to search
Code
Issues
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
git-assignment1
Public
Pin
Unwatch 1
Fork 0
Star 0
master
1 Branch
0 Tags
Go to file
t
Add file
Code
Ubuntu committed
819e90a · 31 minutes ago
1 Commit
code.txt committed 31 minutes ago
output.txt committed 31 minutes ago
README
Add a README
Help people interested in this repository understand your project by adding a README.
Add a README
About
No description, website, or topics provided.
Activity
0 stars
1 watching
0 forks
Releases
No releases published
Create a new release
Packages
No packages published
Publish your first package
© 2024 GitHub, Inc.
Terms
Privacy
Security
Status
Docs
Contact
Manage cookies
Do not share my personal information


us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-0cf8082d9925f99d5&osU...
Finish update
aws
Services
Search
[Option+S]
N. Virginia
rsujithsri16@gmail.com
EC2
log.txt
nothing added to commit but untracked files present (use "git add" to track)
ubuntu@ip-172-31-16-198:~/assignment1$ git push orgin master
Username for 'https://github.com': sujith123ak
Password for 'https://sujith123ak@github.com
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (4/4), 292 bytes | 292.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/sujith123ak/git-assignment1.git
* [new branch] master -> master
ubuntu@ip-172-31-16-198:~/assignment1$ history
1 sudo apt-get update
2 mkdir assignment1
3 cd assignment1
4 git init
5 nano code.txt
6 nano log.txt
7 nano output.txt
8 ls
9 git add code.txt
10 git add ouput.txt
11 git status
12 git commit -m "committed
13 https://github.com/sujith123ak/Gith-assignment1.git
14 sudo apt-get update
15 mkdir assignment1
i-0cf8082d9925f99d5 (git-mrng-12)
PublicIPs: 3.88.102.43 PrivateIPs: 172.31.16.198


us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-0cf8082d9925f99d5&osU...
Finish update
aws
Services
Search
[Option+S]
N. Virginia
rsujithsri16@gmail.com
EC2
11 git status
12 git commit -m "committed
13 https://github.com/sujith123ak/Gith-assignment1.git
14 sudo apt-get update
15 mkdir assignment1
16 sudo apt-get update
17 mkdir assignment1
18 cd assignment1
19 git init
20 nano code.txt
21 nano log.txt
22 nano output.txt
23 ls
24 git add code.txt
25 git add output.txt
26 git status
27 git commit -m "committed"
28 git remote add orgin https://github.com/sujith123ak/git-assignment1.git
29 git push origin master
30 git push orgin master
31 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
32 ls
33 git add code.txt
34 git add output.txt
35 git status
36 git commit -m "committed"
37 git push orgin master
38 history
ubuntu@ip-172-31-16-198:~/assignment1$
i-0cf8082d9925f99d5 (git-mrng-12)
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