Shri Vile Parle Kelavani Mandal's

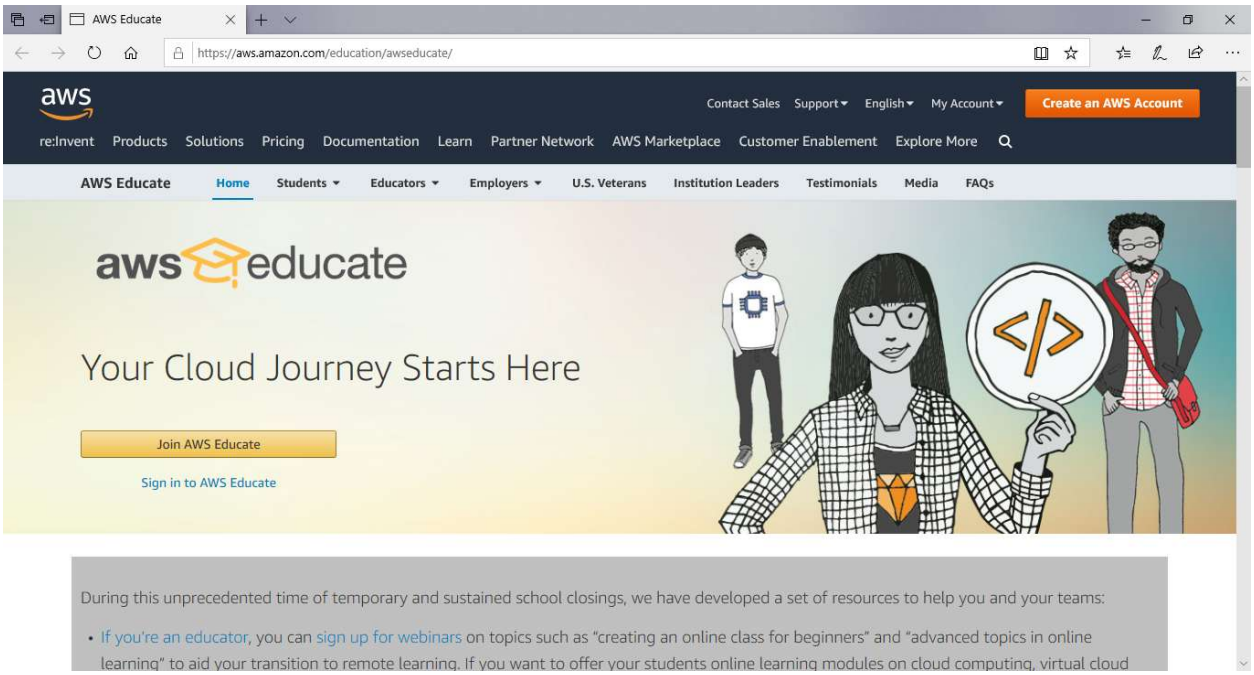
INSTITUTE OF TECHNOLOGY

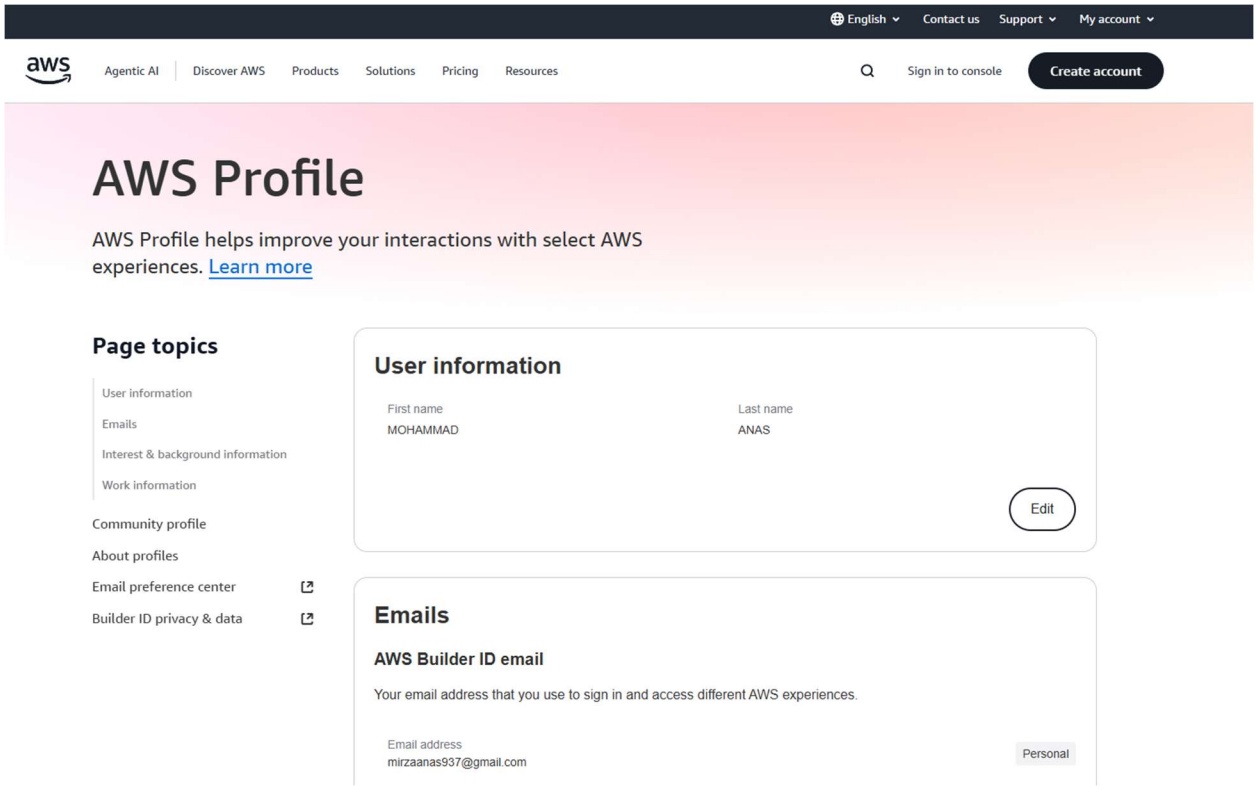
DHULE (M.S.)

DEPARMENT OF COMPUTER ENGINEERING

Subject : Cloud Computing Lab **Name :** Mohammad Anas Aarif Baig Mirza **Roll No. :** 40 **Class : B.tech Final Year** **Batch : B2** **Division: -** **Expt. No. :**09 **Date : --/10/2025** **Title :** To categorize AWS services and demonstrate the usage of AWS cloud service.	Remark Signature

Aim: To categorize AWS services and demonstrate the usage of AWS cloud service.

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Sign in to console
Create account
AWS Profile
AWS Profile helps improve your interactions with select AWS experiences. Learn more
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Community profile
About profiles
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First name
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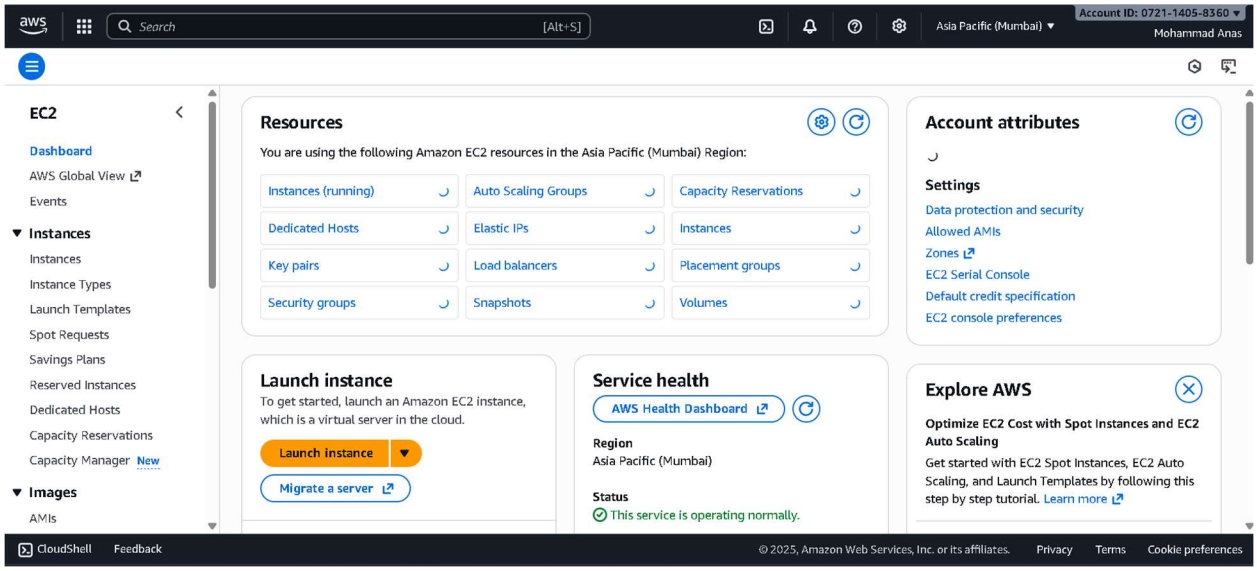
Last name
ANAS
Edit
Emails
AWS Builder ID email
Your email address that you use to sign in and access different AWS experiences.
Email address
mirzaanas937@gmail.com
Personal


aws
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Asia Pacific (Mumbai)
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EC2
Dashboard
AWS Global View
Events
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations
Capacity Manager New
Images
AMIs
Resources
You are using the following Amazon EC2 resources in the Asia Pacific (Mumbai) Region:
Instances (running)
Auto Scaling Groups
Capacity Reservations
Dedicated Hosts
Elastic IPs
Instances
Key pairs
Load balancers
Placement groups
Security groups
Snapshots
Volumes
Account attributes
Settings
Data protection and security
Allowed AMIs
Zones
EC2 Serial Console
Default credit specification
EC2 console preferences
Launch instance
To get started, launch an Amazon EC2 instance, which is a virtual server in the cloud.
Launch instance
Migrate a server
Service health
AWS Health Dashboard
Region
Asia Pacific (Mumbai)
Status
This service is operating normally.
Explore AWS
Optimize EC2 Cost with Spot Instances and EC2 Auto Scaling
Get started with EC2 Spot Instances, EC2 Auto Scaling, and Launch Templates by following this step by step tutorial. Learn more
CloudShell
Feedback
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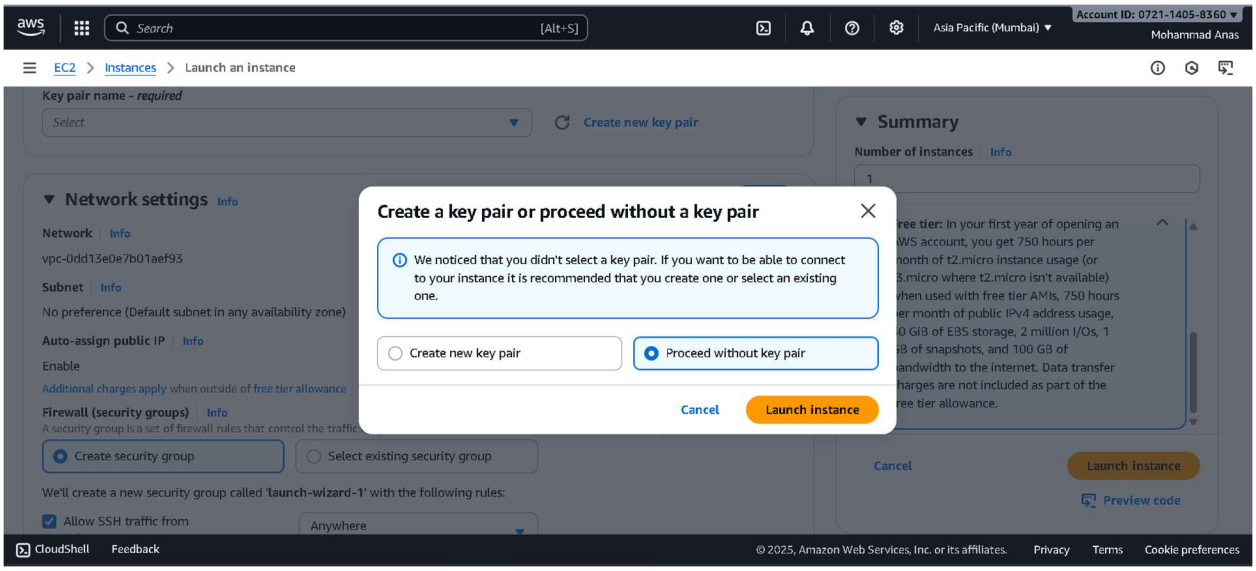
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EC2 > Instances > Launch an instance
Key pair name - required
Select
Create new key pair
Network settings Info
Network Info
vpc-0dd13e0e7b01aef93
Subnet Info
No preference (Default subnet in any availability zone)
Auto-assign public IP Info
Enable
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
Create security group
Select existing security group
We'll create a new security group called 'launch-wizard-1' with the following rules:
Allow SSH traffic from
Anywhere
Summary
Number of instances Info
1
ree tier: In your first year of opening an
WS account, you get 750 hours per
nonth of t2.micro instance usage (or
micro where t2.micro isn't available)
when used with free tier AMIs, 750 hours
er month of public IPv4 address usage,
0 GiB of EBS storage, 2 million I/Os, 1
B of snapshots, and 100 GB of
andwidth to the internet. Data transfer
harges are not included as part of the
ree tier allowance.
Cancel
Launch instance
Preview code
Create a key pair or proceed without a key pair
We noticed that you didn't select a key pair. If you want to be able to connect to your instance it is recommended that you create one or select an existing one.
Create new key pair
Proceed without key pair
Cancel
Launch instance
CloudShell
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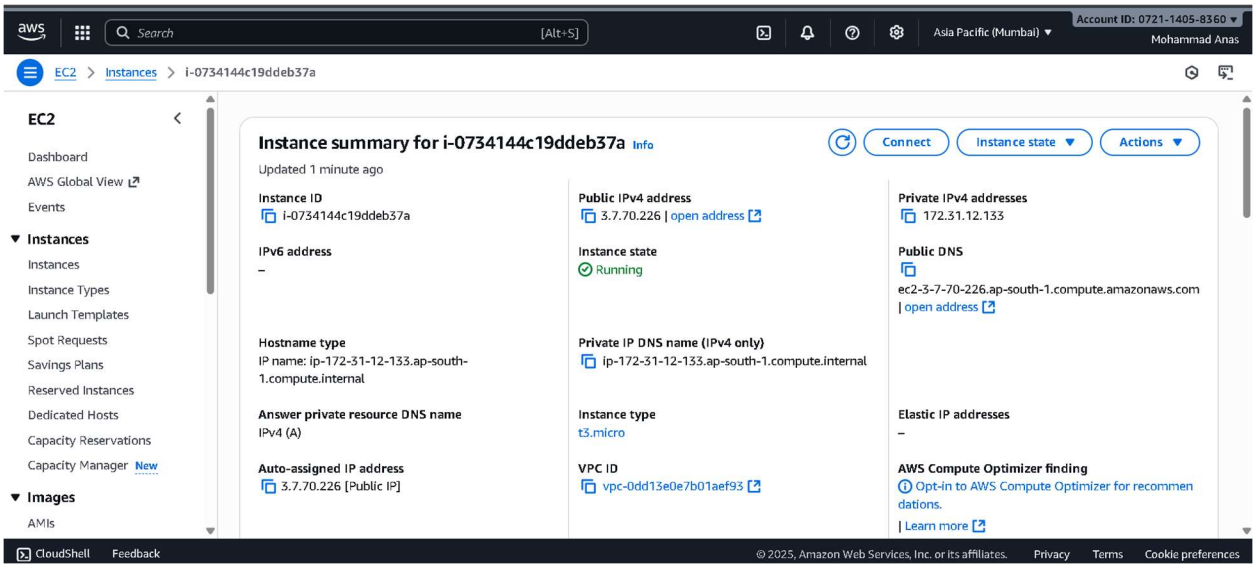
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EC2 > Instances > i-0734144c19ddeb37a
EC2
Dashboard
AWS Global View
Events
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations
Capacity Manager New
Images
AMIs
Instance summary for i-0734144c19ddeb37a Info
Updated 1 minute ago
Connect
Instance state
Actions
Instance ID
i-0734144c19ddeb37a
IPv6 address
–
Hostname type
IP name: ip-172-31-12-133.ap-south-1.compute.internal
Answer private resource DNS name
IPv4 (A)
Auto-assigned IP address
3.7.70.226 [Public IP]
Public IPv4 address
3.7.70.226 | open address
Instance state
Running
Private IP DNS name (IPv4 only)
ip-172-31-12-133.ap-south-1.compute.internal
Instance type
t3.micro
VPC ID
vpc-0dd13e0e7b01aef93
Private IPv4 addresses
172.31.12.133
Public DNS
ec2-3-7-70-226.ap-south-1.compute.amazonaws.com | open address
Elastic IP addresses
–
AWS Compute Optimizer finding
Opt-in to AWS Compute Optimizer for recommendations. | Learn more
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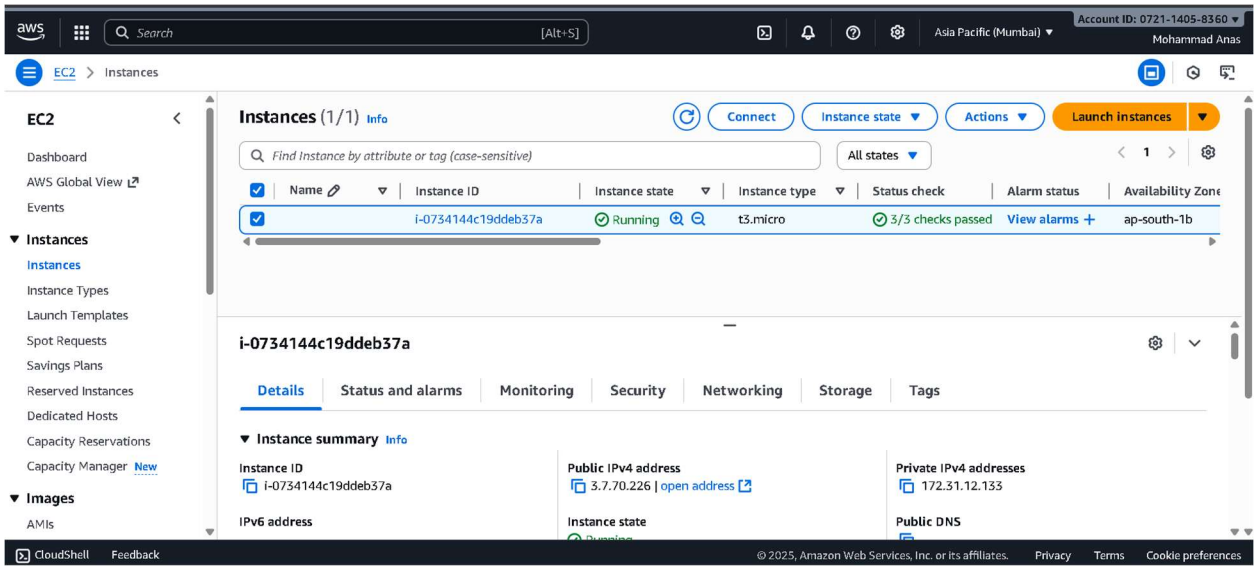
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Capacity Reservations
Capacity Manager New
Images
AMIs
Instances (1/1) Info
Connect
Instance state
Actions
Launch instances
Find instance by attribute or tag (case-sensitive)
All states
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
Availability Zone
i-0734144c19ddeb37a
Running
t3.micro
3/3 checks passed
View alarms
ap-south-1b
i-0734144c19ddeb37a
Details
Status and alarms
Monitoring
Security
Networking
Storage
Tags
Instance summary Info
Instance ID
i-0734144c19ddeb37a
Public IPv4 address
3.7.70.226 | open address
Private IPv4 addresses
172.31.12.133
IPv6 address
Instance state
Public DNS
CloudShell
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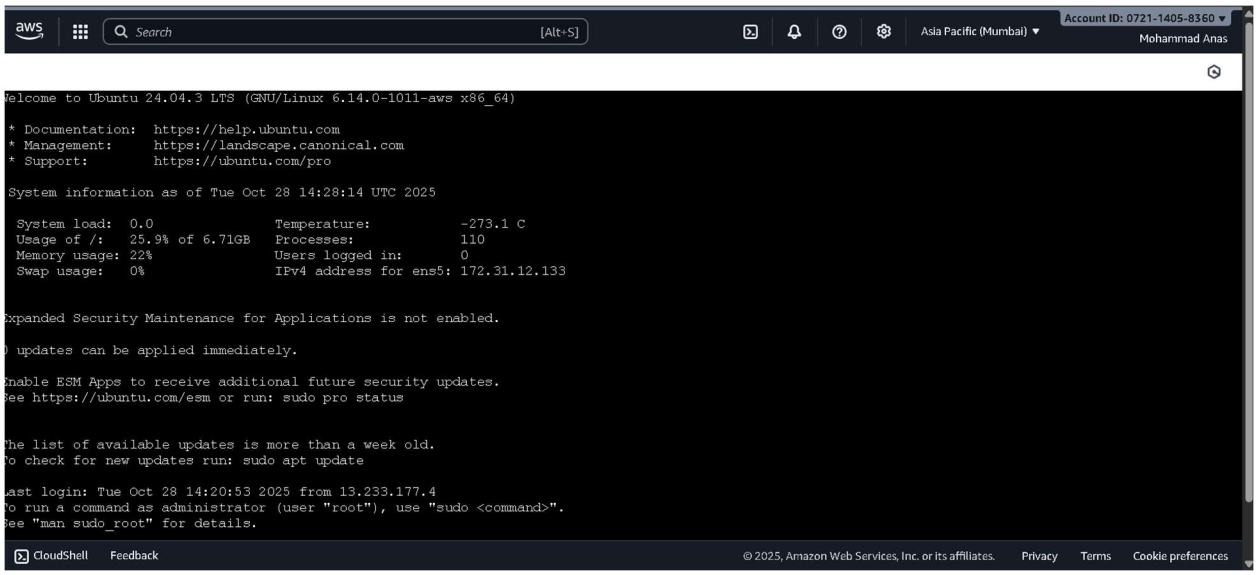
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elcome to Ubuntu 24.04.3 LTS (GNU/Linux 6.14.0-1011-aws x86_64)
* Documentation: https://help.ubuntu.com
* Management: https://landscape.canonical.com
* Support: https://ubuntu.com/pro
System information as of Tue Oct 28 14:28:14 UTC 2025
System load: 0.0
Usage of /: 25.9% of 6.71GB
Memory usage: 22%
Swap usage: 0%
Temperature: -273.1 C
Processes: 110
Users logged in: 0
IPv4 address for ens5: 172.31.12.133
xpanded Security Maintenance for Applications is not enabled.
updates can be applied immediately.
nable ESM Apps to receive additional future security updates.
ee https://ubuntu.com/esm or run: sudo pro status
he list of available updates is more than a week old.
o check for new updates run: sudo apt update
ast login: Tue Oct 28 14:20:53 2025 from 13.233.177.4
o run a command as administrator (user "root"), use "sudo <command>".
ee "man sudo_root" for details.
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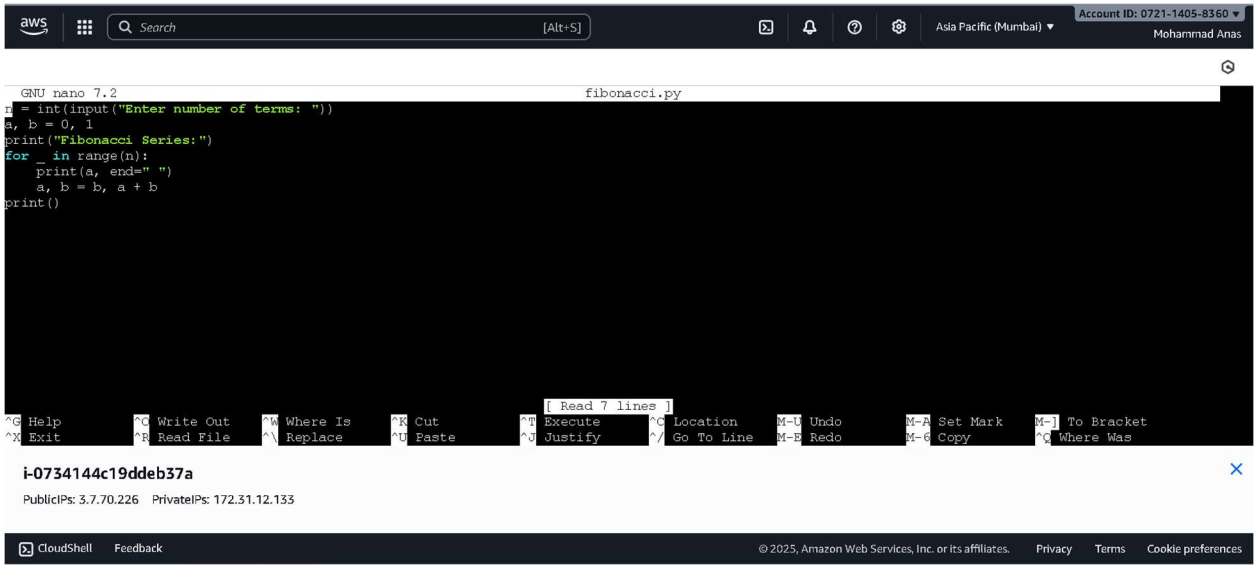
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GNU nano 7.2
fibonacci.py
n = int(input("Enter number of terms: "))
a, b = 0, 1
print("Fibonacci Series:")
for _ in range(n):
print(a, end=" ")
a, b = b, a + b
print()
[Read 7 lines]
^G Help
^O Write Out
^W Where Is
^K Cut
^T Execute
^C Location
M-U Undo
M-A Set Mark
M-] To Bracket
^X Exit
^R Read File
^\ Replace
^U Paste
^J Justify
^/ Go To Line
M-E Redo
M-6 Copy
^Q Where Was
i-0734144c19ddeb37a
PublicIPs: 3.7.70.226 PrivateIPs: 172.31.12.133
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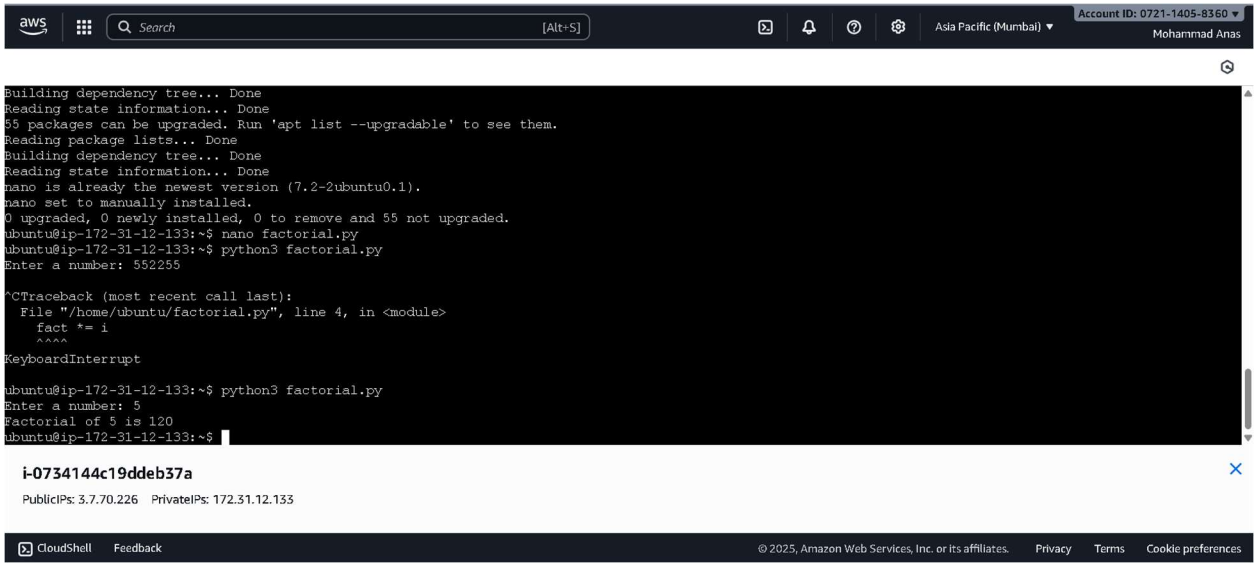
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Building dependency tree... Done
Reading state information... Done
55 packages can be upgraded. Run 'apt list --upgradable' to see them.
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
nano is already the newest version (7.2-2ubuntu0.1).
nano set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 55 not upgraded.
ubuntu@ip-172-31-12-133:~$ nano factorial.py
ubuntu@ip-172-31-12-133:~$ python3 factorial.py
Enter a number: 552255
^CTraceback (most recent call last):
File "/home/ubuntu/factorial.py", line 4, in <module>
fact *= i
^^^^
KeyboardInterrupt
ubuntu@ip-172-31-12-133:~$ python3 factorial.py
Enter a number: 5
Factorial of 5 is 120
ubuntu@ip-172-31-12-133:~$
i-0734144c19ddeb37a
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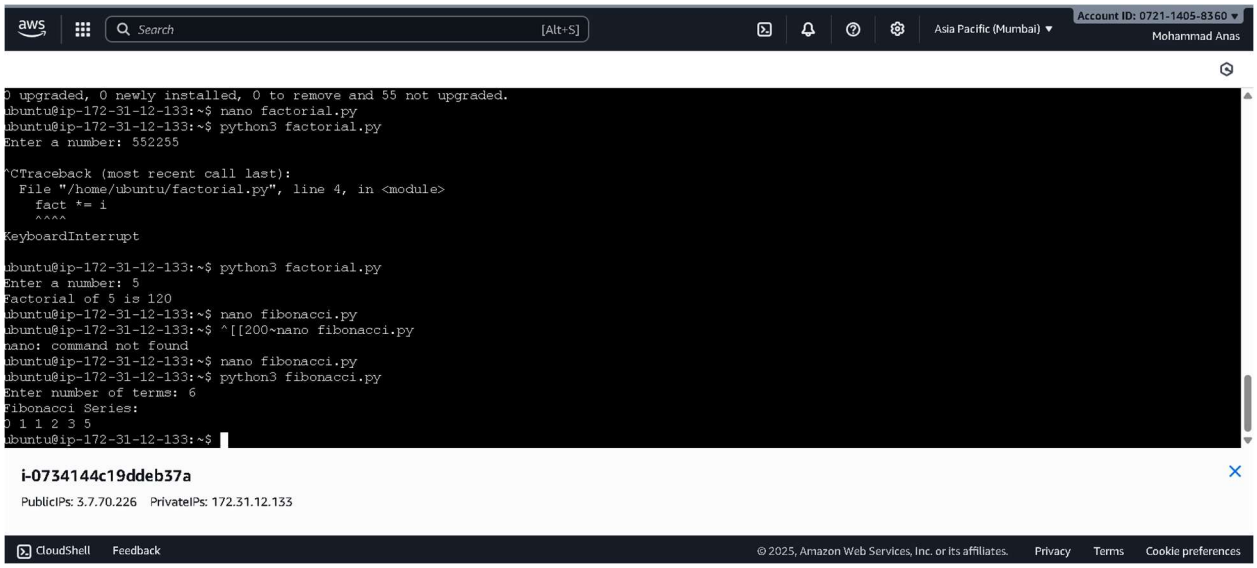
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0 upgraded, 0 newly installed, 0 to remove and 55 not upgraded.
ubuntu@ip-172-31-12-133:~$ nano factorial.py
ubuntu@ip-172-31-12-133:~$ python3 factorial.py
Enter a number: 552255
^CTraceback (most recent call last):
File "/home/ubuntu/factorial.py", line 4, in <module>
fact *= i
^^^^
KeyboardInterrupt
ubuntu@ip-172-31-12-133:~$ python3 factorial.py
Enter a number: 5
Factorial of 5 is 120
ubuntu@ip-172-31-12-133:~$ nano fibonacci.py
ubuntu@ip-172-31-12-133:~$ ^[[200~nano fibonacci.py
nano: command not found
ubuntu@ip-172-31-12-133:~$ nano fibonacci.py
ubuntu@ip-172-31-12-133:~$ python3 fibonacci.py
Enter number of terms: 6
Fibonacci Series:
0 1 1 2 3 5
ubuntu@ip-172-31-12-133:~$
i-0734144c19ddeb37a
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