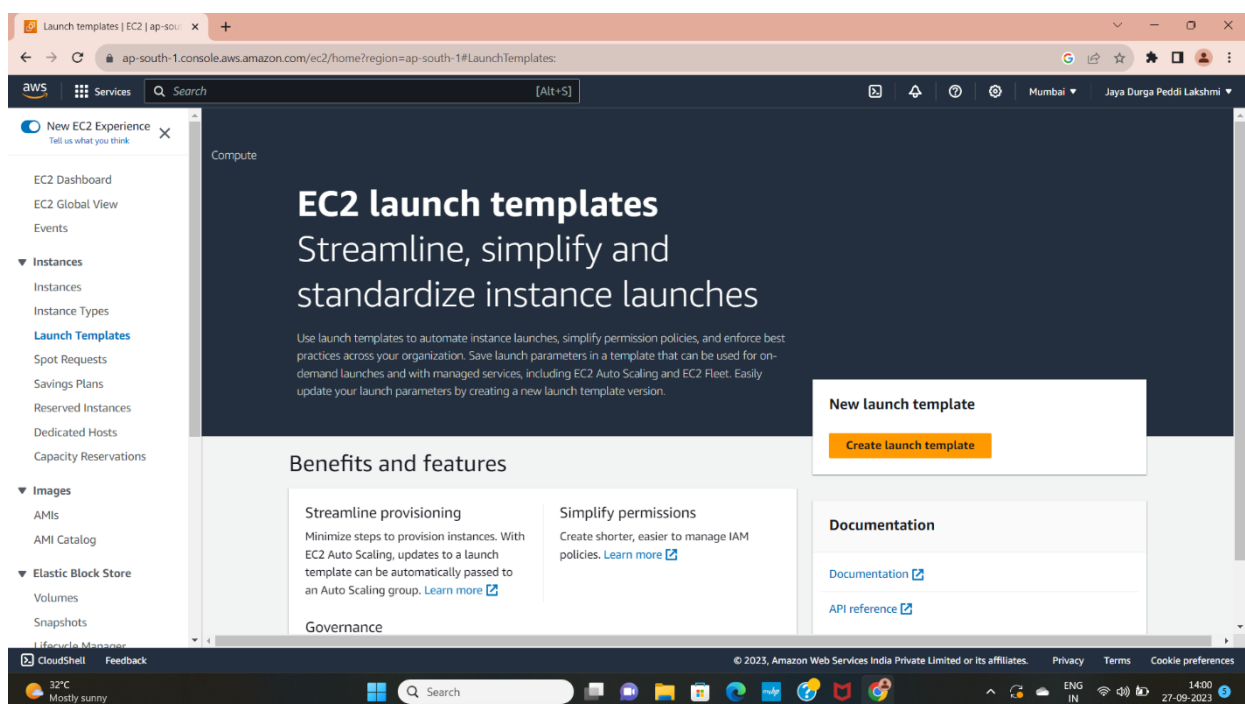
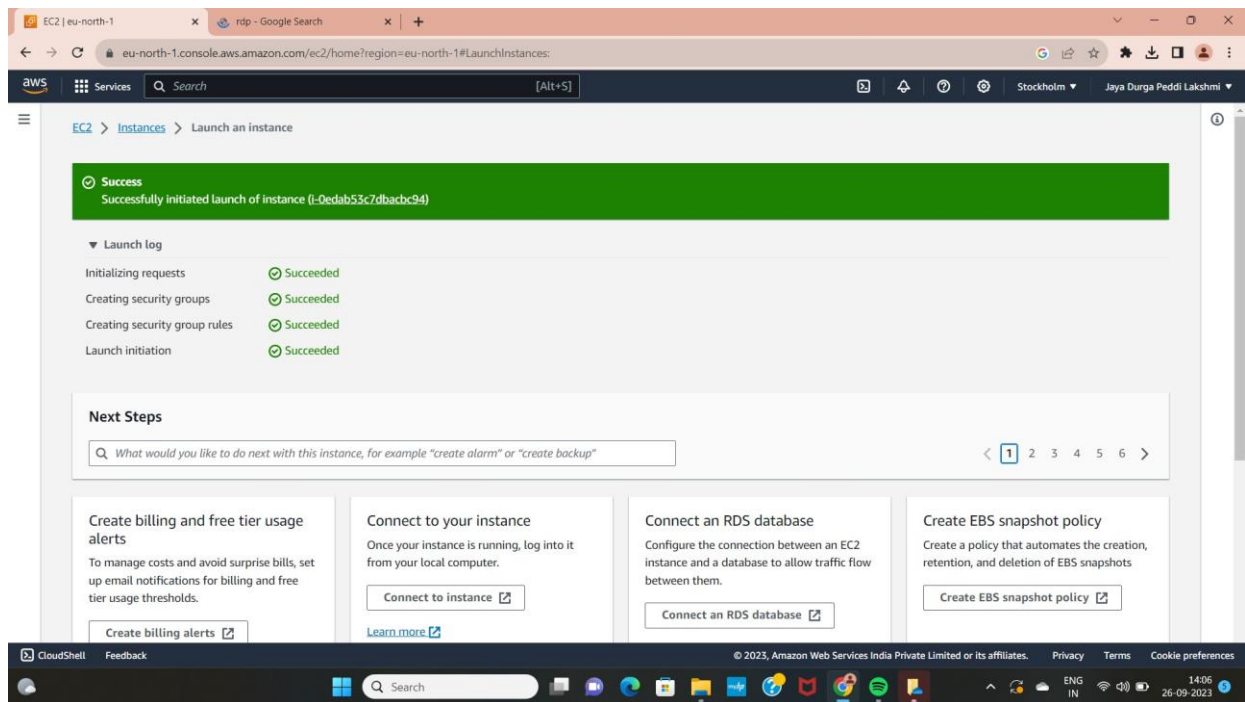


- CREATING INSTANCE FOR ASG ( Auto scaling group)

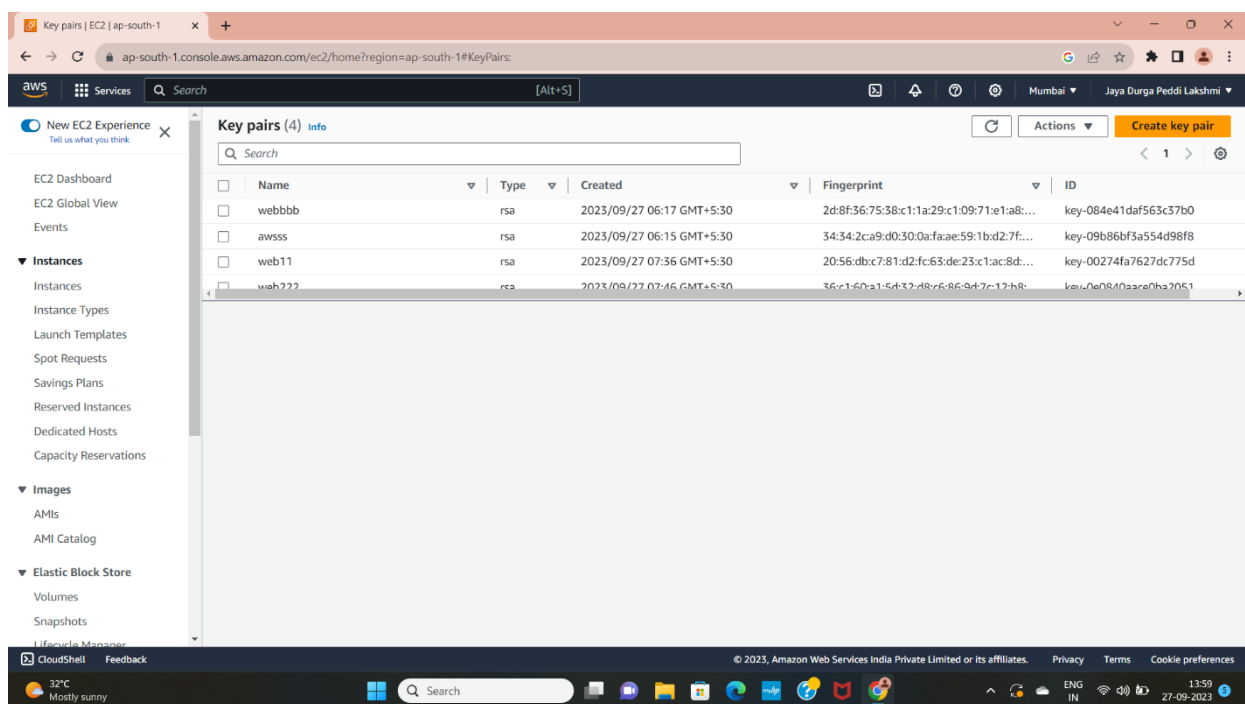
:22A81A05F9 K.J.D.P.LAKSHMI

## STEP1:Open launch template and create launch template





## STEP2:Next open load balancer and create load balancer



EC2 | ap-south-1 | Launch an instance | EC2 | ap-south-1 | Load balancers | Load Balancing | +

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#LoadBalancerssearch=ApplicationLoadBalancer

Services Search [Alt+S]

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Snapshots  
Lifecycle Manager

CloudShell Feedback

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08:07 27-09-2023

### Load balancers (1/1)

Elastic Load Balancing scales your load balancer capacity automatically in response to changes in incoming traffic.

Filter by property or value

ApplicationLoadBalancer X Clear filters

<input checked="" type="checkbox"/>	Name	DNS name	State	VPC ID	Availability Zones	Type	
<input checked="" type="checkbox"/>	ApplicationLoadBalancer	ApplicationLoadBalancer-...	Provisioning	vpc-096c18f75b8d73648	3 Availability Zones	application	50

#### Load balancer: ApplicationLoadBalancer

Internet-facing ZP97RAFLXTNZK

subnets: subnet-0f7818ad6cb155ae8 (ap-south-1a (aps1-az1)), subnet-08de41b1a95271faa (ap-south-1b (aps1-az3)), subnet-05f5ba2a7af717388 (ap-south-1c (aps1-az2))

September 27, 2023, 08:01 (UTC+05:30)

Load balancer ARN: arn:aws:elasticloadbalancing:ap-south-1:904435150448:loadbalancer/app/ApplicationLoadBalancer/fb2e9535ccd5cabf

ApplicationLoadBalancer-255505904.ap-south-1.elb.amazonaws.com (A Record)

DNS name copied

EC2 | ap-south-1 | Launch an instance | EC2 | ap-south-1 | Load Balancer created successfully | +

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateLBWizardSuccess:loadBalancerArn=arn:aws:elasticloadbalancing:ap-south-1:904435150448:loadbalancer/app...

Services Search [Alt+S]

Successfully created load balancer: ApplicationLoadBalancer

Note: It might take a few minutes for your load balancer to be fully set up and ready to route traffic. Targets will also take a few minutes to complete the registration process and pass initial health checks.

EC2 > Load balancers > ApplicationLoadBalancer > Create Application Load Balancer

## Create Application Load Balancer

**Suggested next steps**

- Review, customize, or configure attributes for your load balancer and listeners using the **Description** and **Listeners** tabs within **ApplicationLoadBalancer**.
- Discover other services that you can integrate with your load balancer. Visit the **Integrated services** tab within **ApplicationLoadBalancer**.

View load balancer

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08:01 27-09-2023

## STEP3:Open auto scaling and launch the auto scaling group

The screenshot shows the AWS Management Console interface. A green notification banner at the top states: "Inbound security group rules successfully modified on security group (sg-014eebb193a84d683 | launch-wizard-3)". The main content area displays the details for the security group "sg-014eebb193a84d683 - launch-wizard-3".

**Details**

Security group name launch-wizard-3	Security group ID sg-014eebb193a84d683	Description launch-wizard-3 created 2023-09-27T09:18:25.587Z	VPC ID vpc-096c18f75b8d73648
Owner 904435150448	Inbound rules count 2 Permission entries	Outbound rules count 1 Permission entry	

Below the details, there are tabs for "Inbound rules", "Outbound rules", and "Tags". The "Inbound rules" tab is active, showing "Inbound rules (2)".

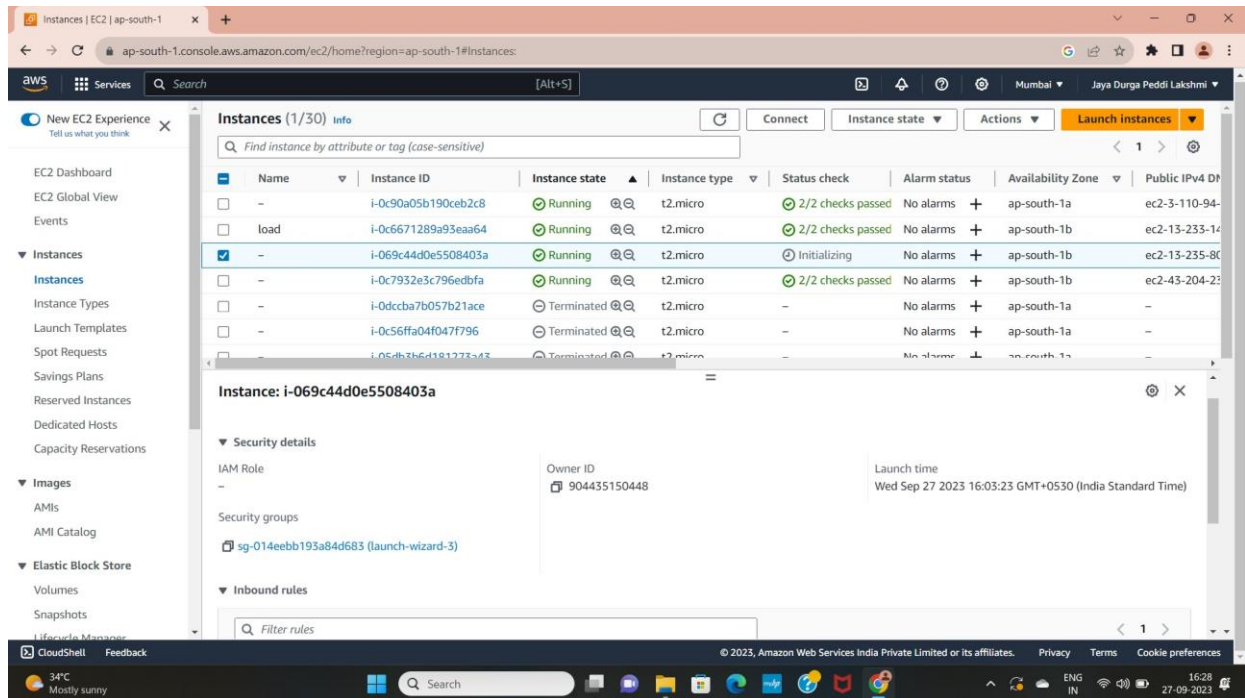
The screenshot shows the AWS Management Console interface for Auto Scaling groups. The page title is "Auto Scaling groups (1)". There are buttons for "Launch configurations", "Launch templates", "Actions", and a prominent orange "Create Auto Scaling group" button.

Below the buttons is a search bar and a table of Auto Scaling groups.

Name	Launch template/configuration	Instances	Status	Desired capacity	Min	Max	Availa...
ASG	MY-ASG-LT   Version Default	0	Updating capacity...	3	3	10	ap-south...

At the bottom of the page, it says "0 Auto Scaling groups selected".

## Step4:Check the instances



The screenshot shows the AWS Management Console for the 'ap-south-1' region. The 'Instances' page displays a table of EC2 instances. One instance, 'i-069c44d0e5508403a', is selected, and its details are shown in a modal window.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4
-	i-0c90a05b190ceb2c8	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1a	ec2-3-110-94-
load	i-0c6671289a93eaa64	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1b	ec2-13-233-14-
-	i-069c44d0e5508403a	Running	t2.micro	Initializing	No alarms	ap-south-1b	ec2-13-235-80-
-	i-0c7932e3c796edbf8	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1b	ec2-43-204-23-
-	i-0dcba7b057b21ace	Terminated	t2.micro	-	No alarms	ap-south-1a	-
-	i-0c56ffa04f047f96	Terminated	t2.micro	-	No alarms	ap-south-1a	-
-	i-05db3b6d181273-a73	Terminated	t2.micro	-	No alarms	ap-south-1a	-

**Instance: i-069c44d0e5508403a**

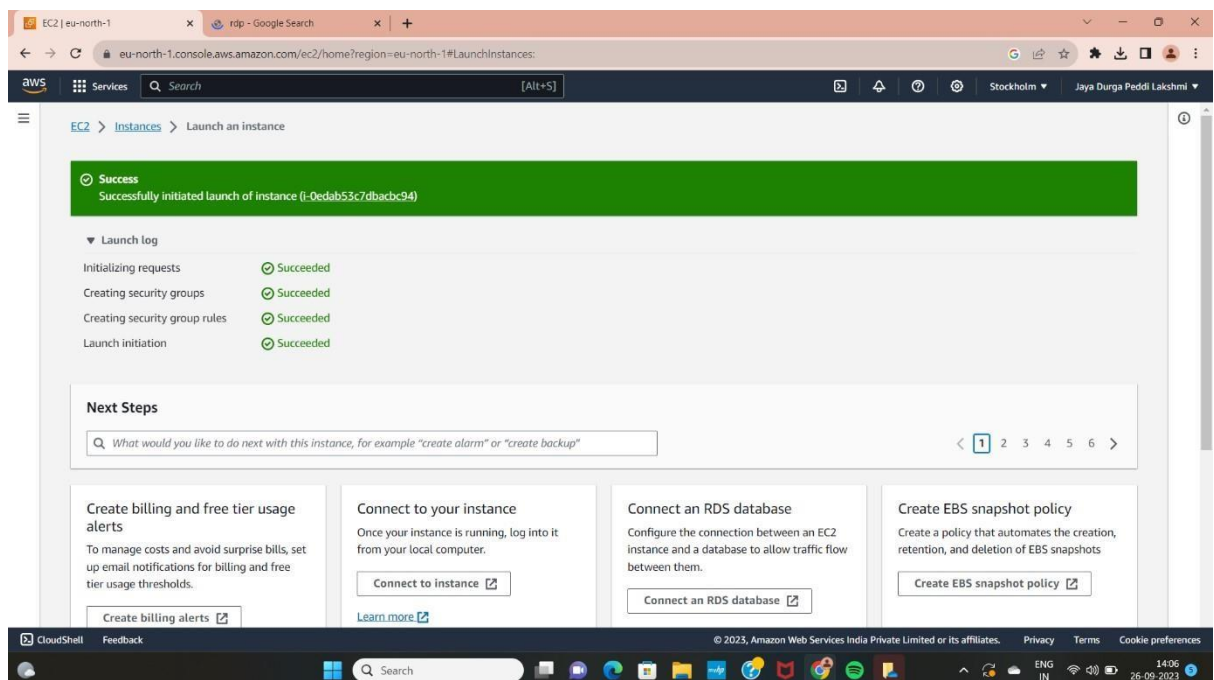
**Security details**

- IAM Role: -
- Owner ID: 904435150448
- Launch time: Wed Sep 27 2023 16:03:23 GMT+0530 (India Standard Time)
- Security groups: sg-014eebb193a84d683 (launch-wizard-3)

**Inbound rules**

Filter rules

## STEP5:Launch the instance



The screenshot shows the 'Launch an instance' page in the AWS Management Console for the 'eu-north-1' region. A green success message indicates that the instance (i-Dedab53c7dbac94) was successfully initiated. Below the message, the 'Launch log' shows the steps: Initializing requests, Creating security groups, Creating security group rules, and Launch initiation, all of which succeeded. The 'Next Steps' section provides links to create billing alerts, connect to the instance, connect an RDS database, and create an EBS snapshot policy.

**Success**  
Successfully initiated launch of instance (i-Dedab53c7dbac94)

**Launch log**

- Initializing requests: Succeeded
- Creating security groups: Succeeded
- Creating security group rules: Succeeded
- Launch initiation: Succeeded

**Next Steps**

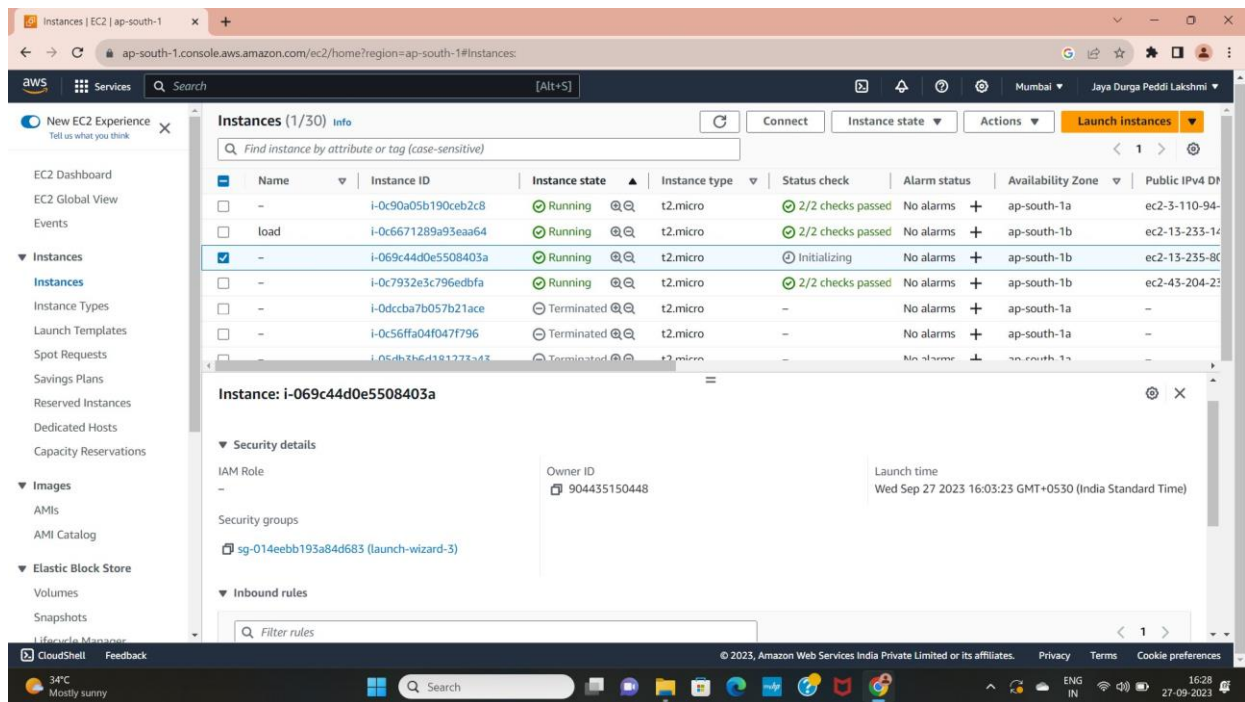
What would you like to do next with this instance, for example "create alarm" or "create backup"

**Create billing and free tier usage alerts**  
To manage costs and avoid surprise bills, set up email notifications for billing and free usage thresholds.  
[Create billing alerts](#)

**Connect to your instance**  
Once your instance is running, log into it from your local computer.  
[Connect to instance](#)

**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 EBS snapshot policy**  
Create a policy that automates the creation, retention, and deletion of EBS snapshots.  
[Create EBS snapshot policy](#)



STEP7:copy the security group and paste on new tab you see the interface

