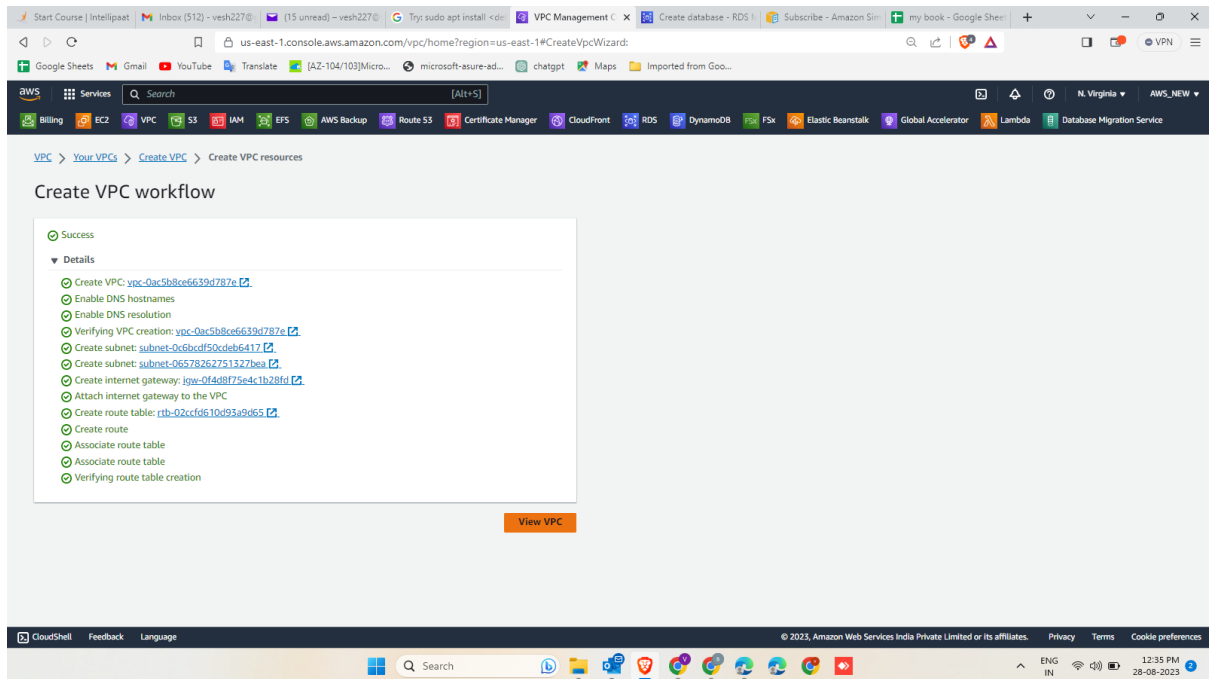
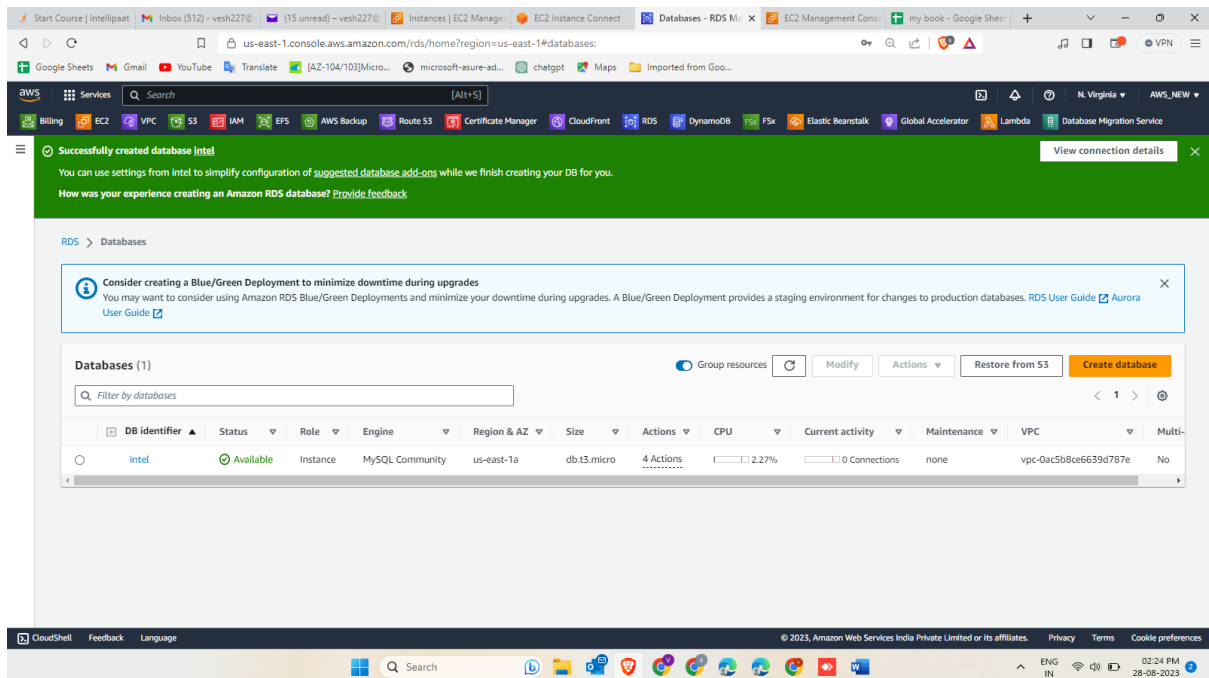


Project - 1: Deploying a Multi-Tier Website Using AWS EC2

1. Created VPC resources.

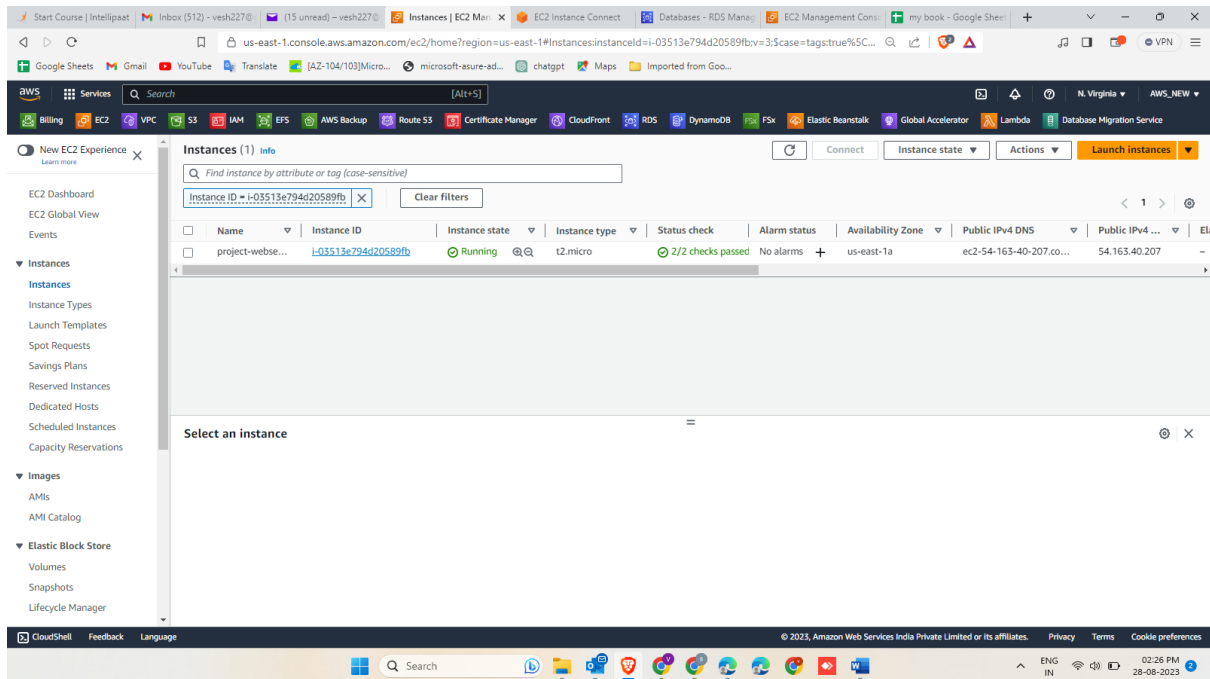


2. Launched MySQL RDS.

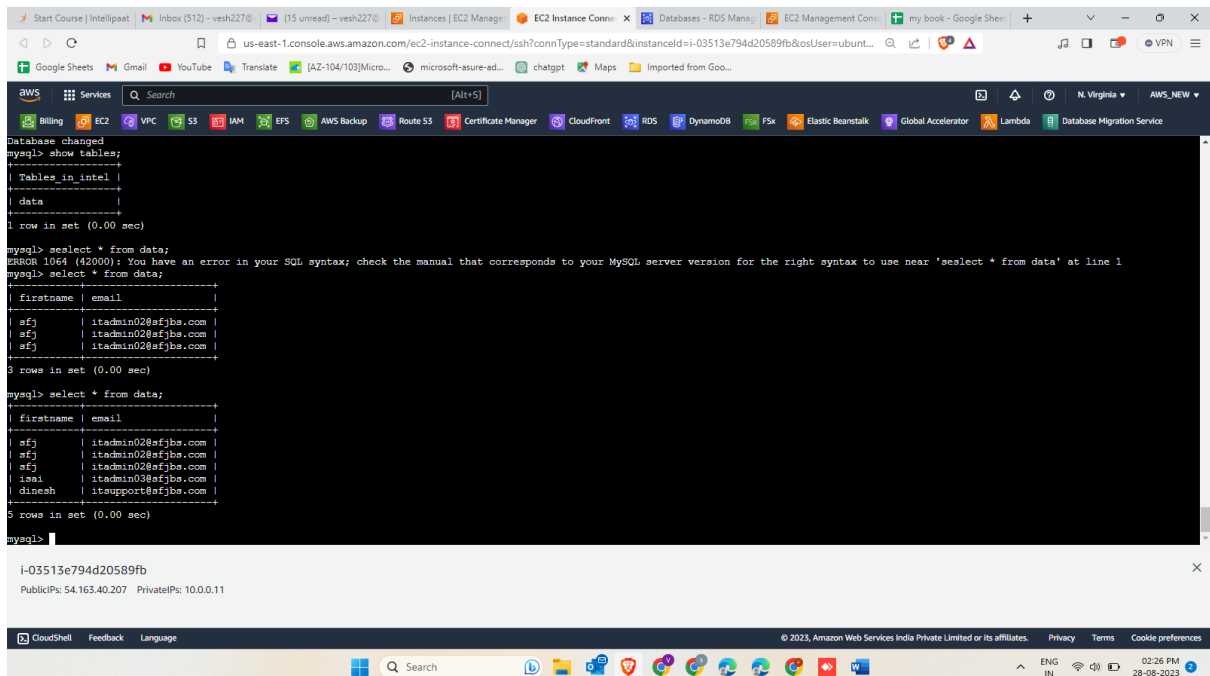


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3. Launched EC2 as well.



4. Connected index.php and created MySQL database table.



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5. Created auto scaling group with ELB.

The image displays two screenshots of the AWS Management Console, illustrating the setup of an Auto Scaling Group and a Load Balancer.

Top Screenshot: Auto Scaling Groups

The console shows the 'Auto Scaling groups (1)' page. A table lists the existing group:

| Name | Launch template/configuration | Instances | Status | Desired capacity | Min | Max | Availability Zones |
|------------------------------|---|-----------|--------|------------------|-----|-----|------------------------|
| project1-auto-scaling-groups | venkat-project-template Version Defau | 2 | - | 2 | 2 | 5 | us-east-1a, us-east-1b |

Below the table, it states '0 Auto Scaling groups selected'.

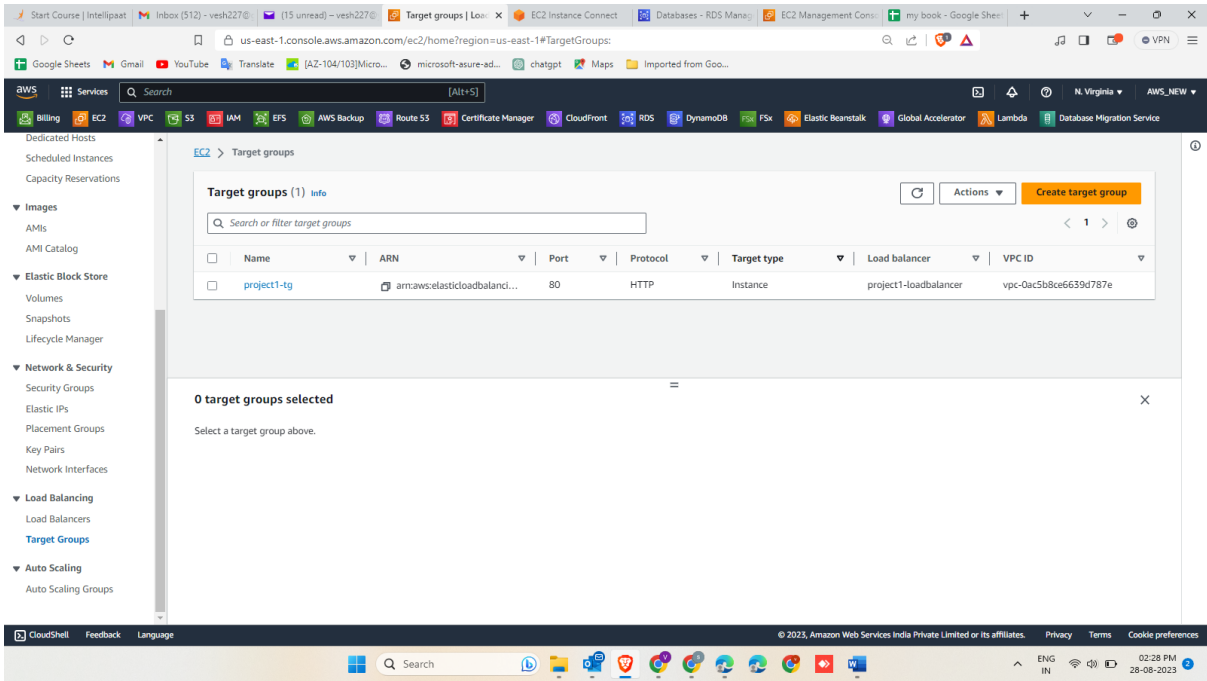
Bottom Screenshot: Load Balancers

The console shows the 'Load balancers (1)' page. A table lists the existing load balancer:

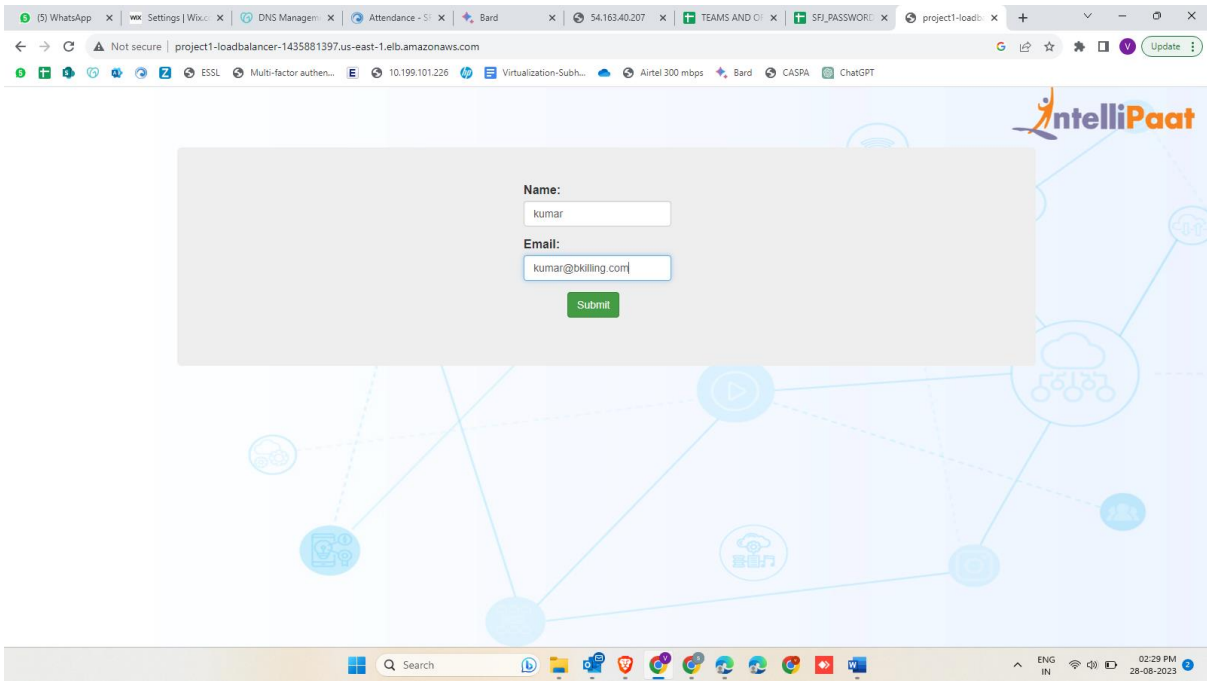
| Name | DNS name | State | VPC ID | Availability Zones | Type | Date created |
|-----------------------|------------------------------|--------|-----------------------|----------------------|-------------|------------------------------------|
| project1-loadbalancer | project1-loadbalancer-143... | Active | VPC-0ac5b8ce6639d787e | 2 Availability Zones | application | August 28, 2023, 14:23 (UTC+05:30) |

Below the table, it states '0 load balancers selected'.

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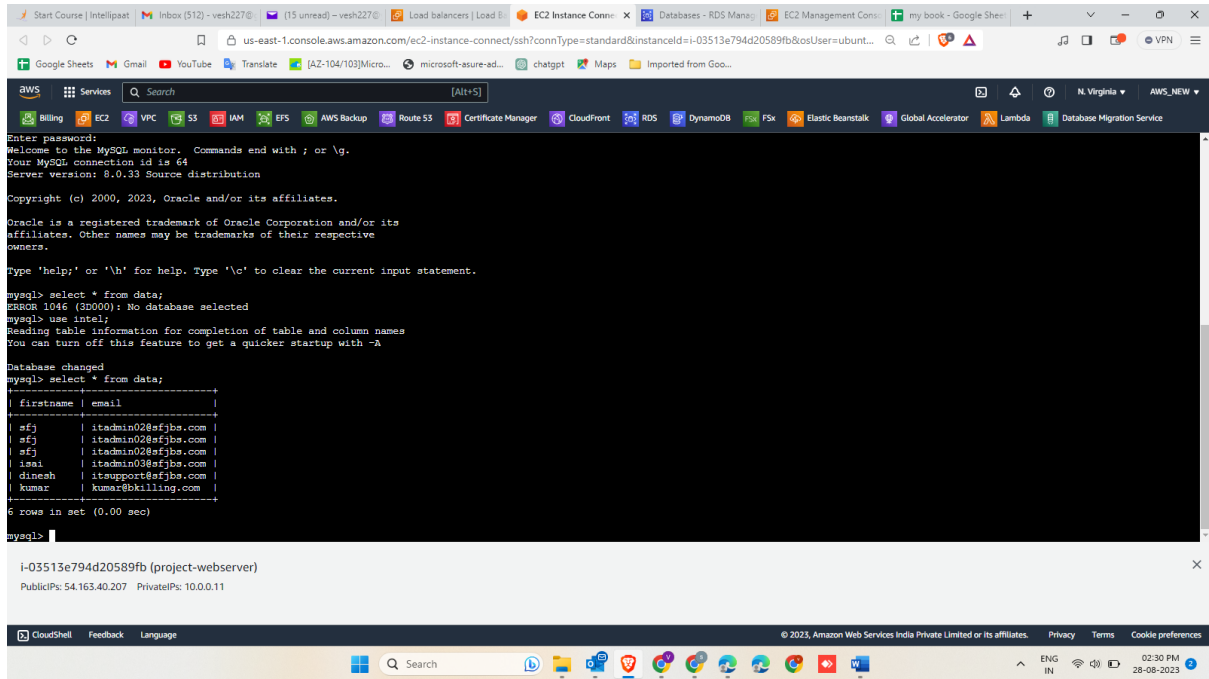


6. This is the (PHP) load balancer webserver.

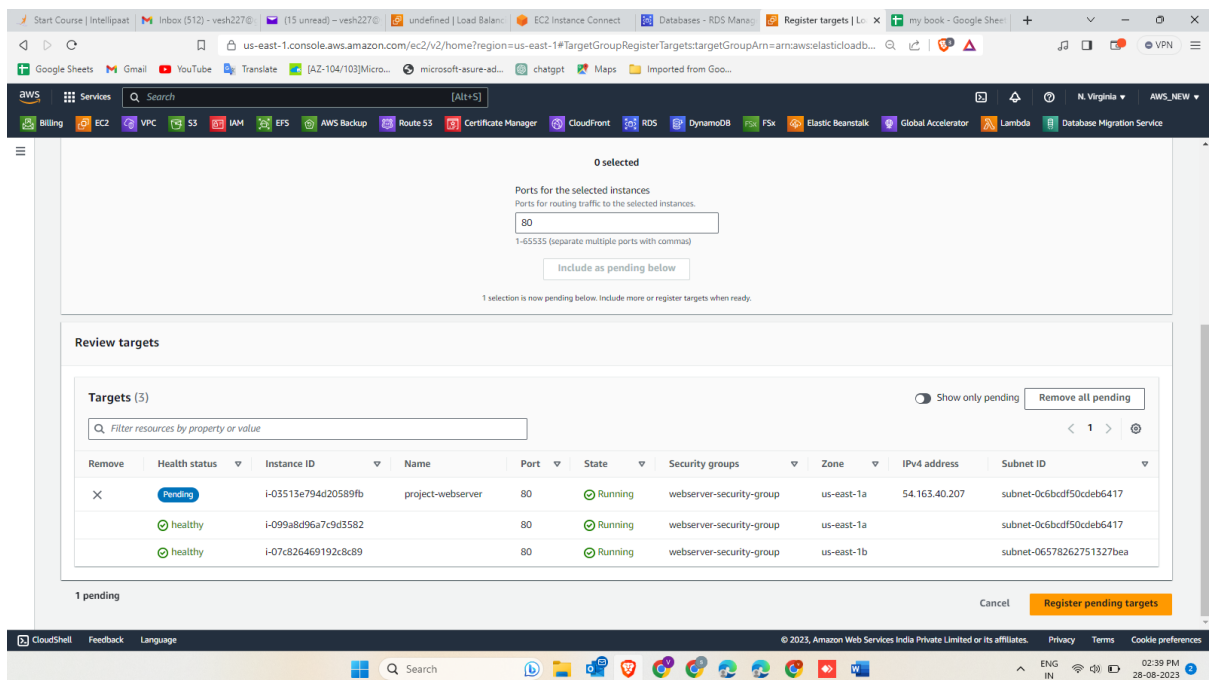


List out the table.

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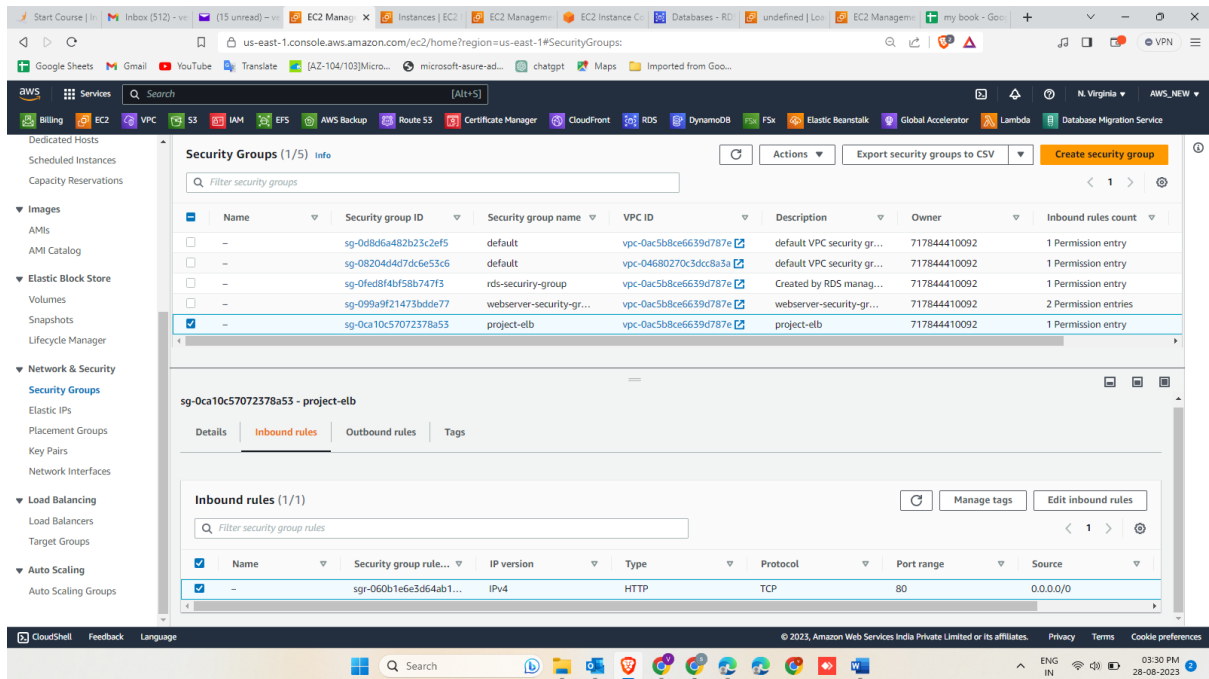


7. Attached auto scaling group webserver as well.

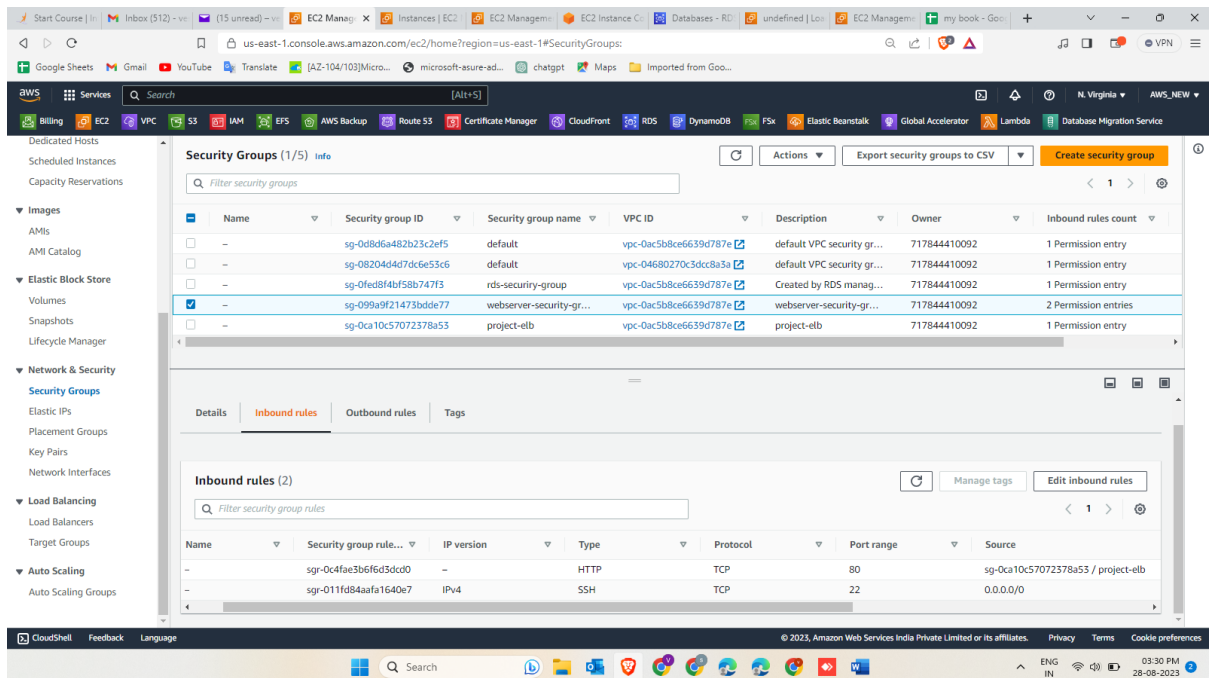


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8. Created an ELB security group.



9. ELB SG rule added to webserver SG.



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10. Removed the default SG and added the Load balancer Security group to the Load balancer. It will allow traffic from EC2 to RDS instance.

