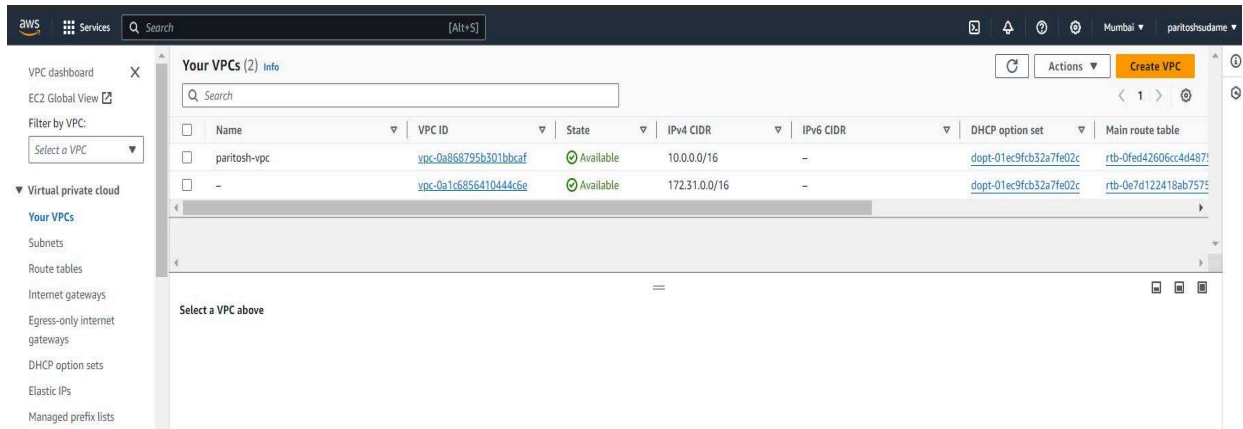
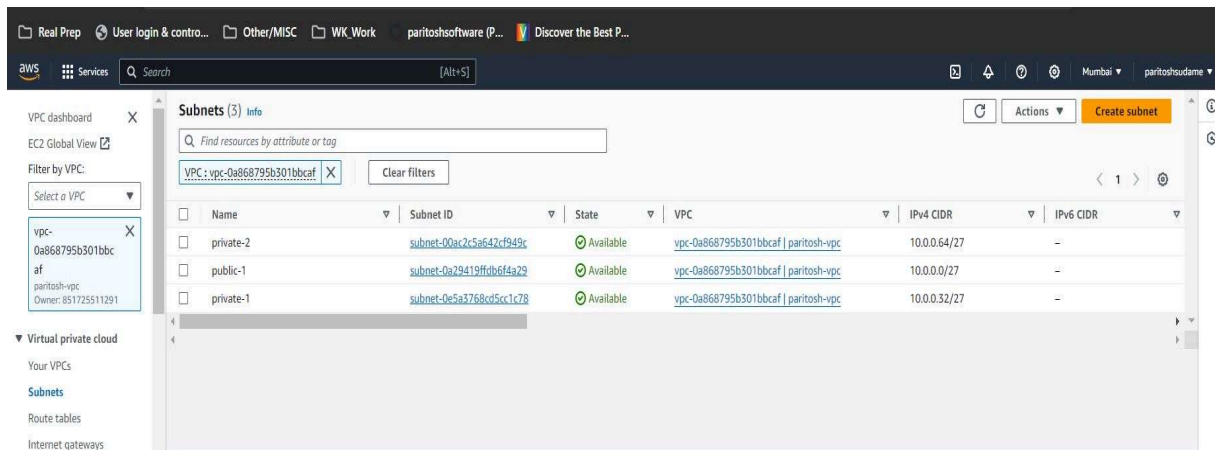


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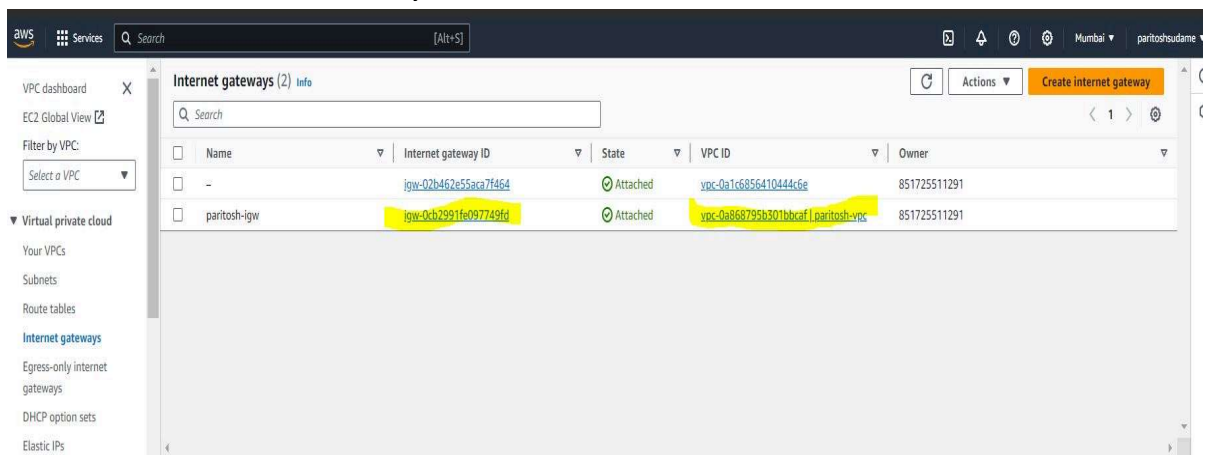
- Created VPC and named it as **paritosh-vpc**



- Created Public and Private Subnets
There are 3 subnets one public and two privates



- Created Internet Gateway and Attached with VPC



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- Created RouteTable and Added Subnet Association

The screenshot shows the AWS VPC console for the route table `rtb-08a92f0696084c84f / my-paritosh-routetable2`. The details section shows the route table ID, VPC ID, and owner ID. The subnet associations section shows one explicit association with the public-1 subnet.

| Name | Subnet ID | IPv4 CIDR | IPv6 CIDR |
|----------|--------------------------|-------------|-----------|
| public-1 | subnet-0a29419ffdb6f4a29 | 10.0.0.0/27 | - |

| Name | Subnet ID | IPv4 CIDR | IPv6 CIDR |
|-----------|--------------------------|--------------|-----------|
| private-2 | subnet-00ac2c5a642cf949c | 10.0.0.64/27 | - |
| private-1 | subnet-0e5a3768cd5cc1c78 | 10.0.0.32/27 | - |

- Added Routes in RouteTable

The screenshot shows the AWS VPC console for the route table `rtb-08a92f0696084c84f / my-paritosh-routetable2`. The routes section shows two routes: one for the default route (0.0.0.0/0) pointing to the internet gateway, and one for the local route (10.0.0.0/16) pointing to the local interface.

| Destination | Target | Status | Propagated |
|-------------|-----------------------|--------|------------|
| 0.0.0.0/0 | igw-0cb2991fe097749fd | Active | No |
| 10.0.0.0/16 | local | Active | No |

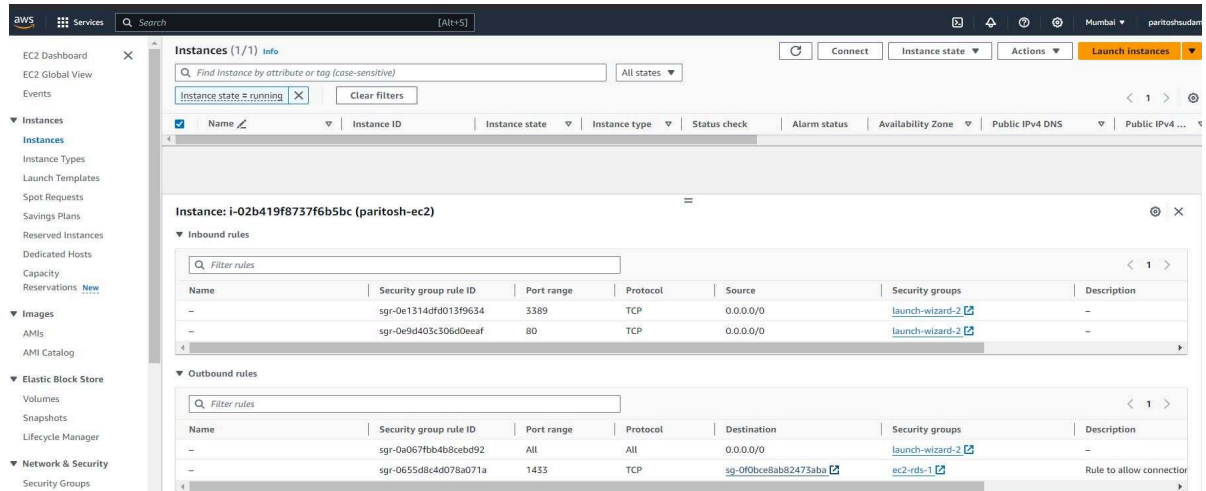
- Added EC2 Instance with Elastic Ip Address Also Associated VPC

The screenshot shows the AWS EC2 console for the instance `i-02b419f8737f6b5bc (paritosh-ec2)`. The instance is running and has a public IP address of `13.201.112.50`. The instance is associated with the VPC `vpc-0a868795b301bbcaf` and the subnet `subnet-0a29419ffdb6f4a29`.

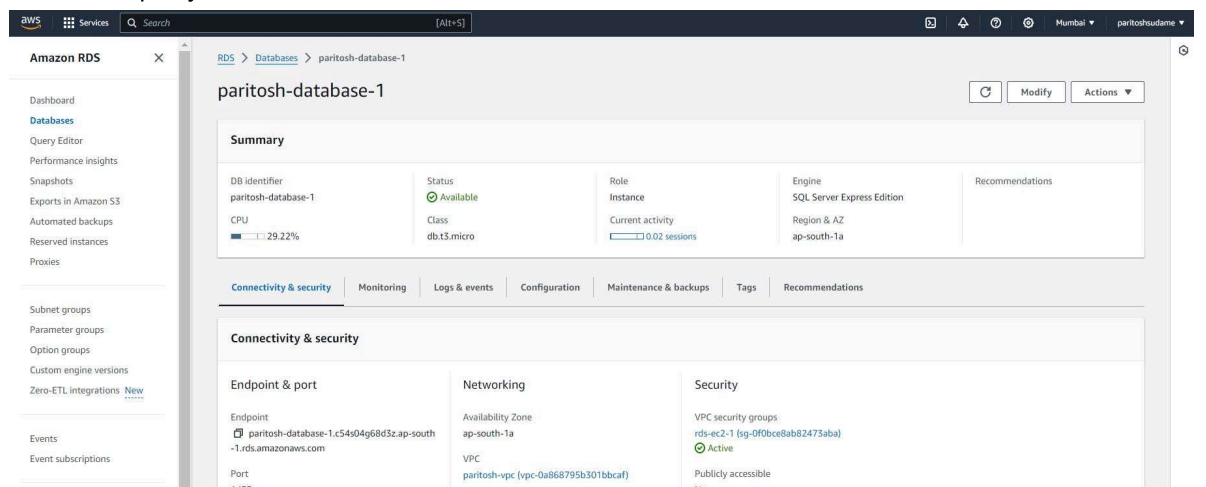
| Property | Value |
|----------------------------------|---|
| Instance ID | i-02b419f8737f6b5bc (paritosh-ec2) |
| IPV6 address | - |
| Hostname type | ip-10-0-0-13-ap-south-1-compute.internal |
| IP name | ip-10-0-0-13-ap-south-1-compute.internal |
| Answer private resource DNS name | - |
| Auto-assigned IP address | - |
| IAM Role | - |
| Public IPv4 address | 13.201.112.50 (Public IP) |
| Private IPv4 addresses | 10.0.0.13 |
| Private IPv4 DNS | - |
| Elastic IP addresses | 13.201.112.50 (Public IP) |
| AWS Compute Optimizer finding | Opt-in to AWS Compute Optimizer for recommendations. Learn more |
| Auto Scaling Group name | - |

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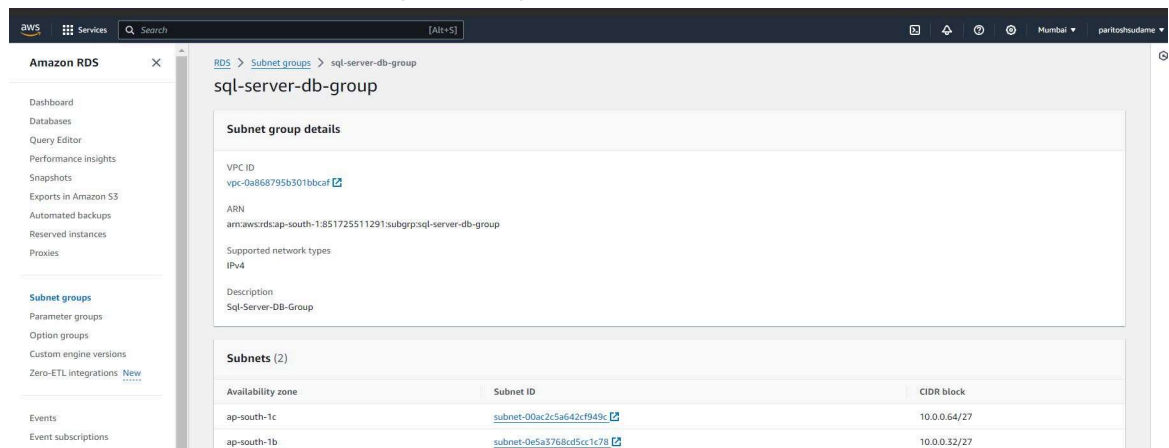
- Added Inbound Rules For EC2



- Created SQL Server Database And Associated With VPC Selected Connect to EC2 Property

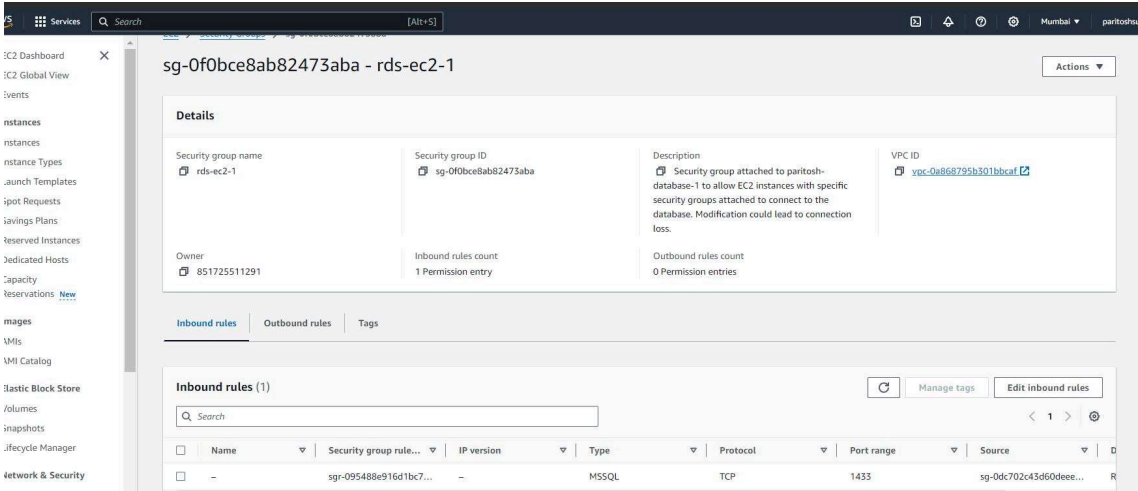


- Created DB subnet Group All with private subnets



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- Created Database Security Groups added Rules.



Connected Database With EC2 Instance.

