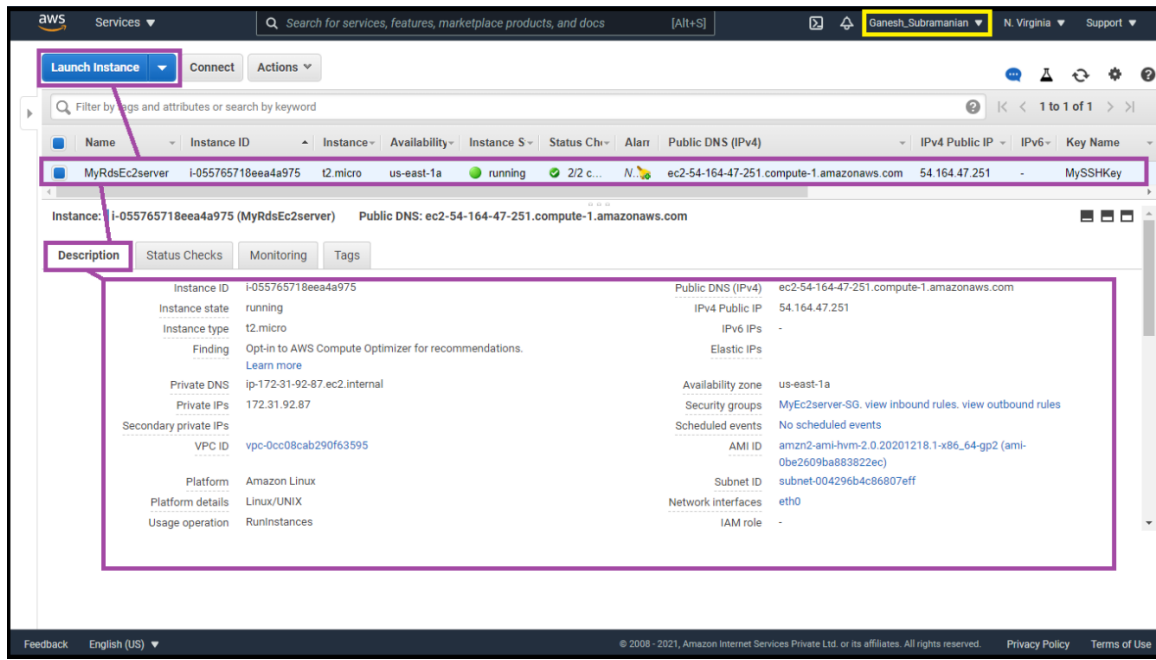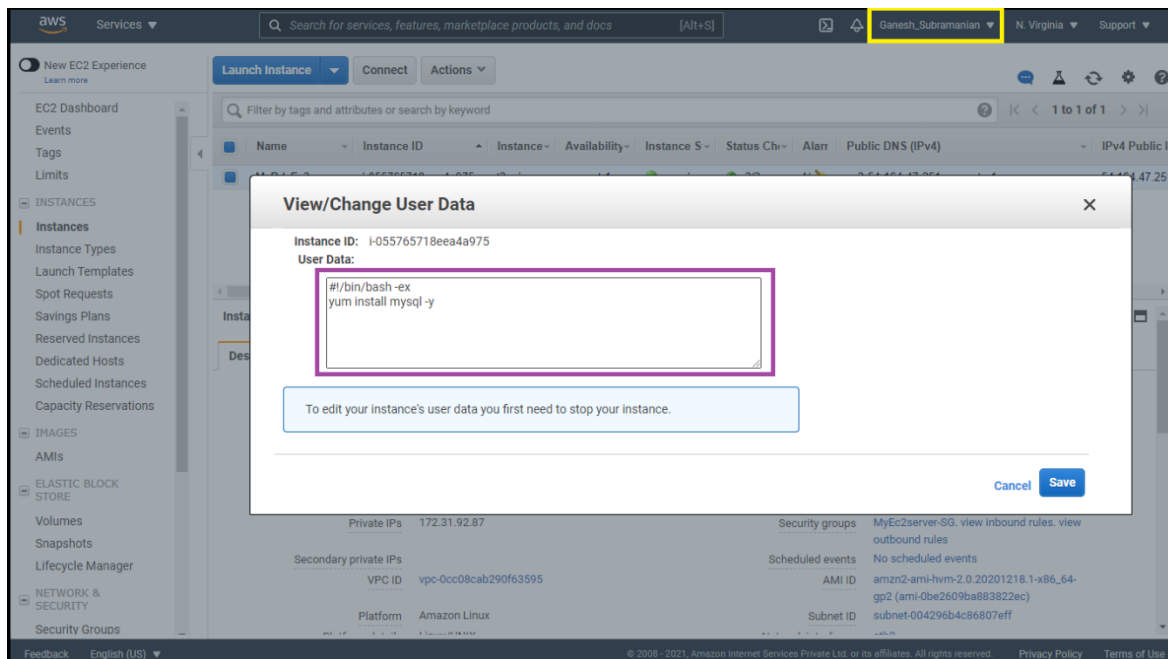# Project 2

Deploying Amazon RDS Multi-AZ and Read Replica, Simulate Failover

➔ **EC2 Console with instance details**

➔ **User Data field showing MySQL installation**

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➔ **Create a Security group with the name MyEC2server-SG and display security group**

➔ **Display Security group information of rds-maz-SG**

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➔ **Display Enabling Multi AZ**
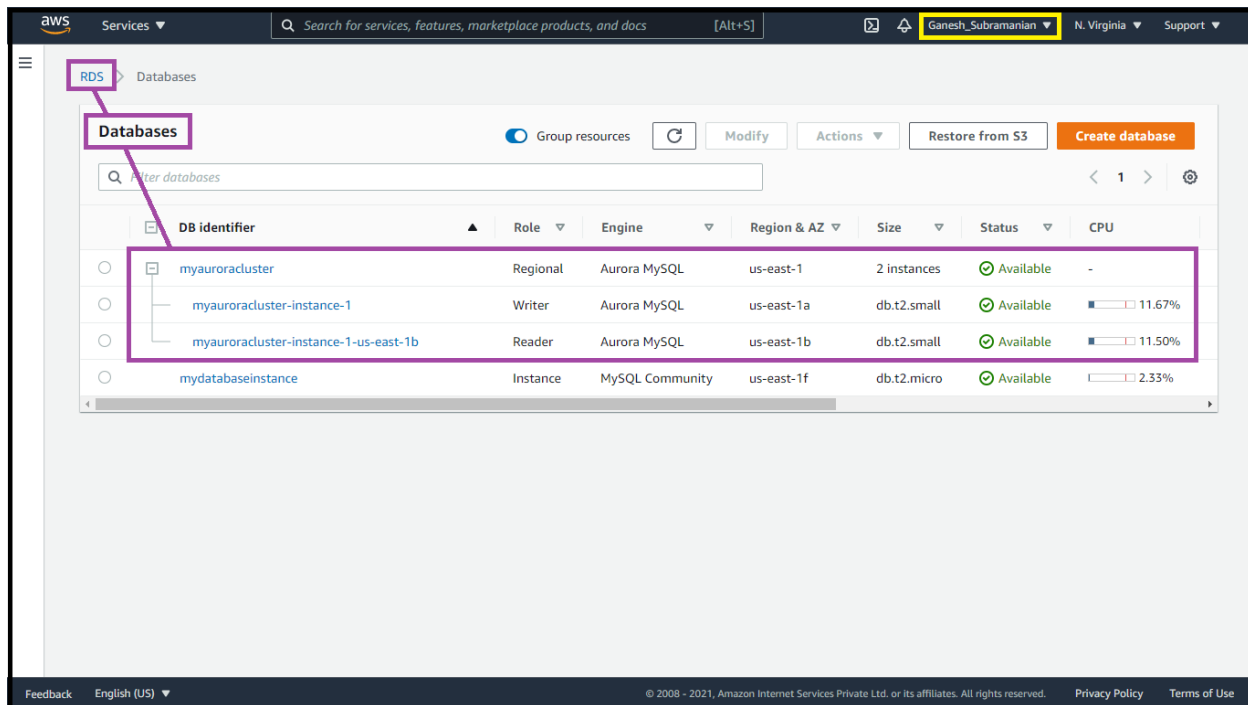
➔ **Execute database operation and display details**

Creating a table named students and inserting few rows of data using list of commands as shown below

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➔ **Show Databases console with Reader and Writer**
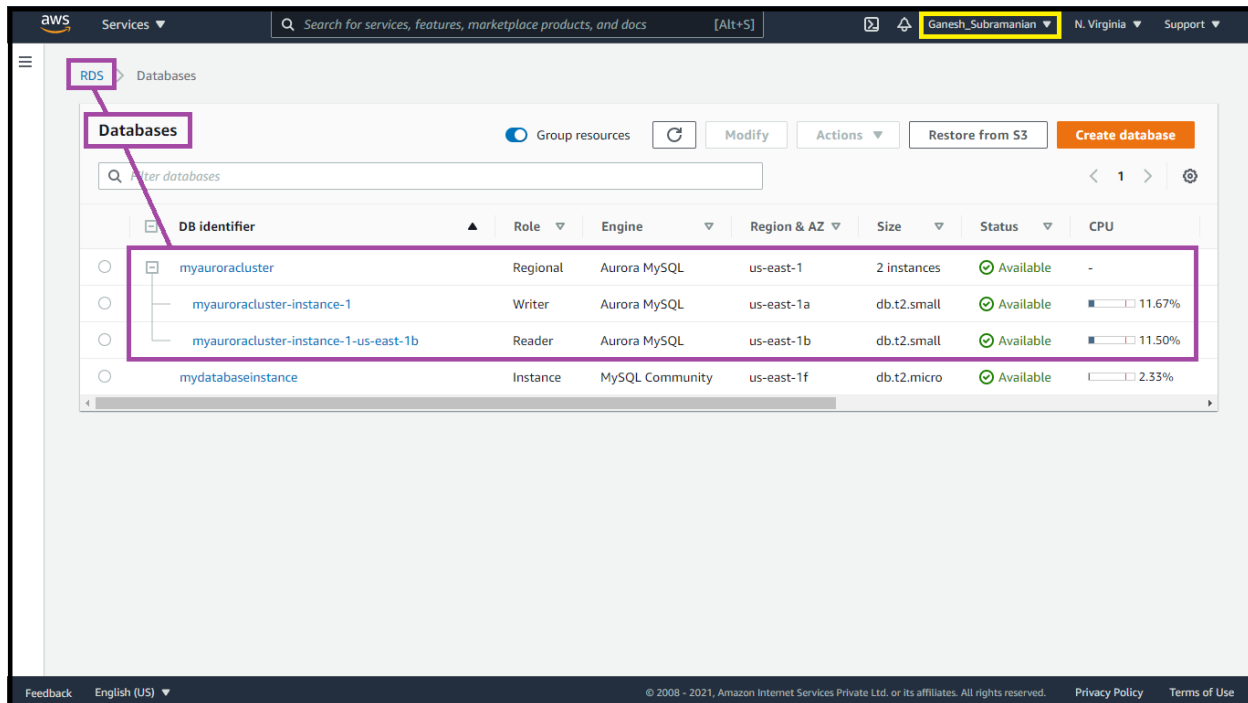
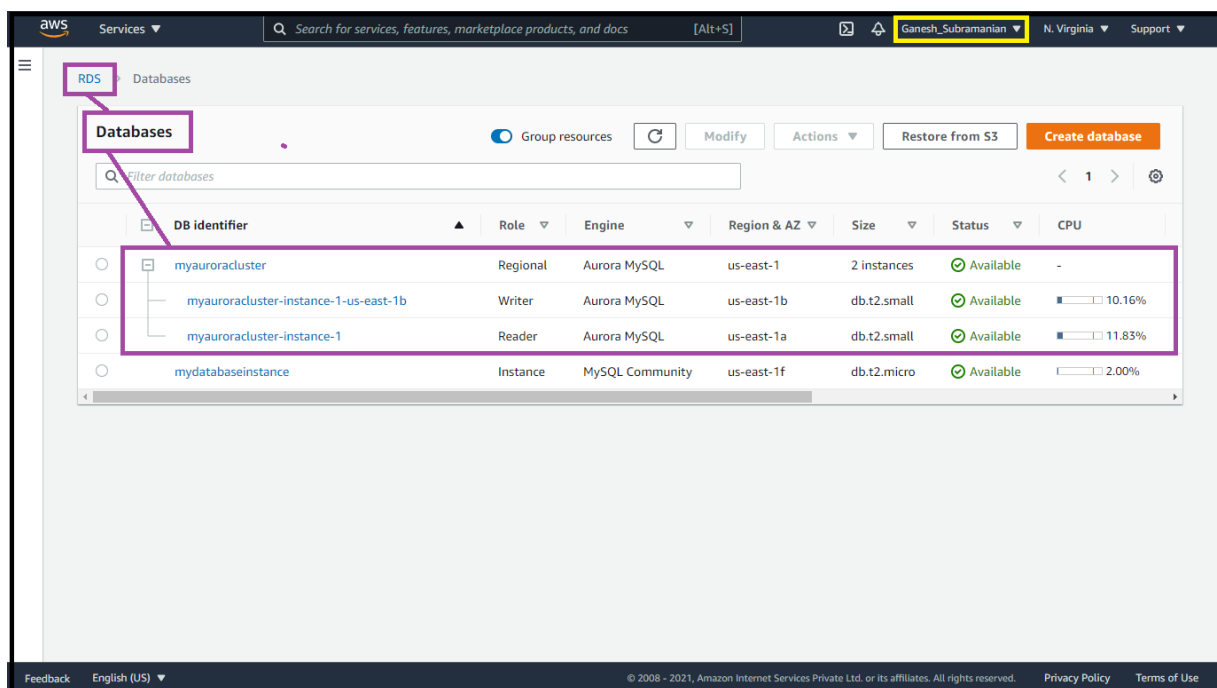➔ **Connect to rds and show console details**

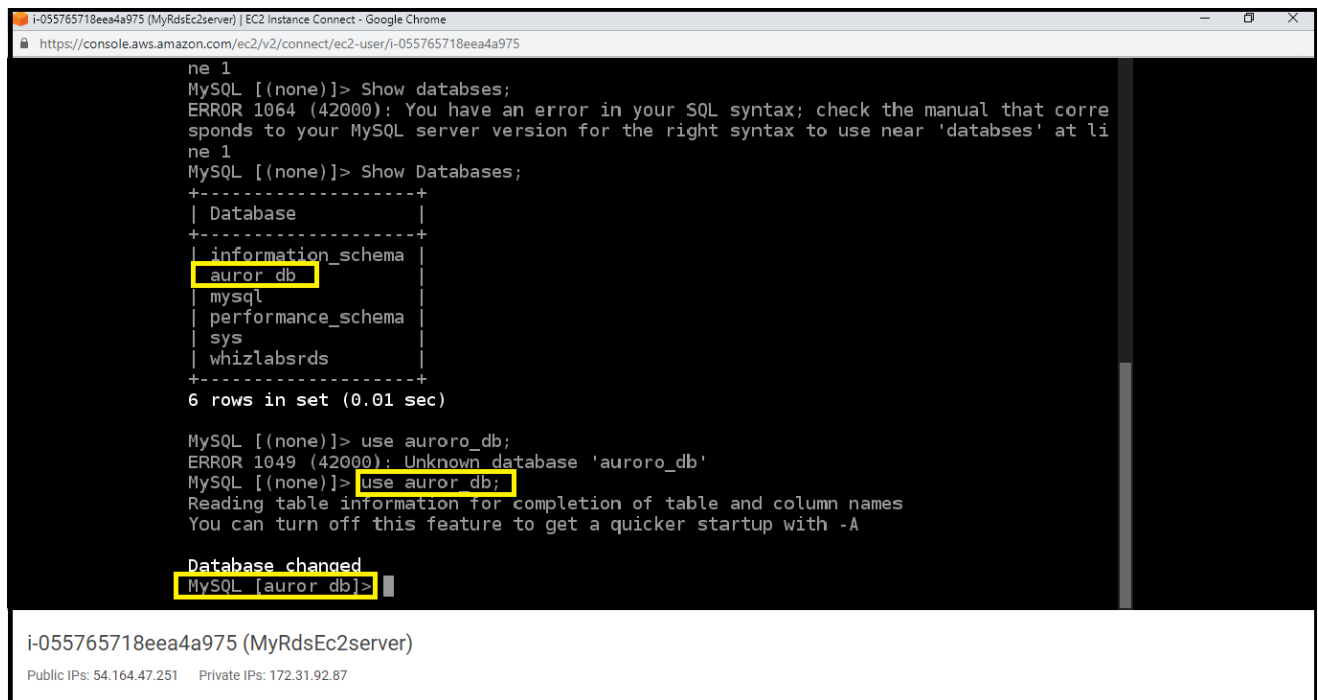Ganesh Subramanian
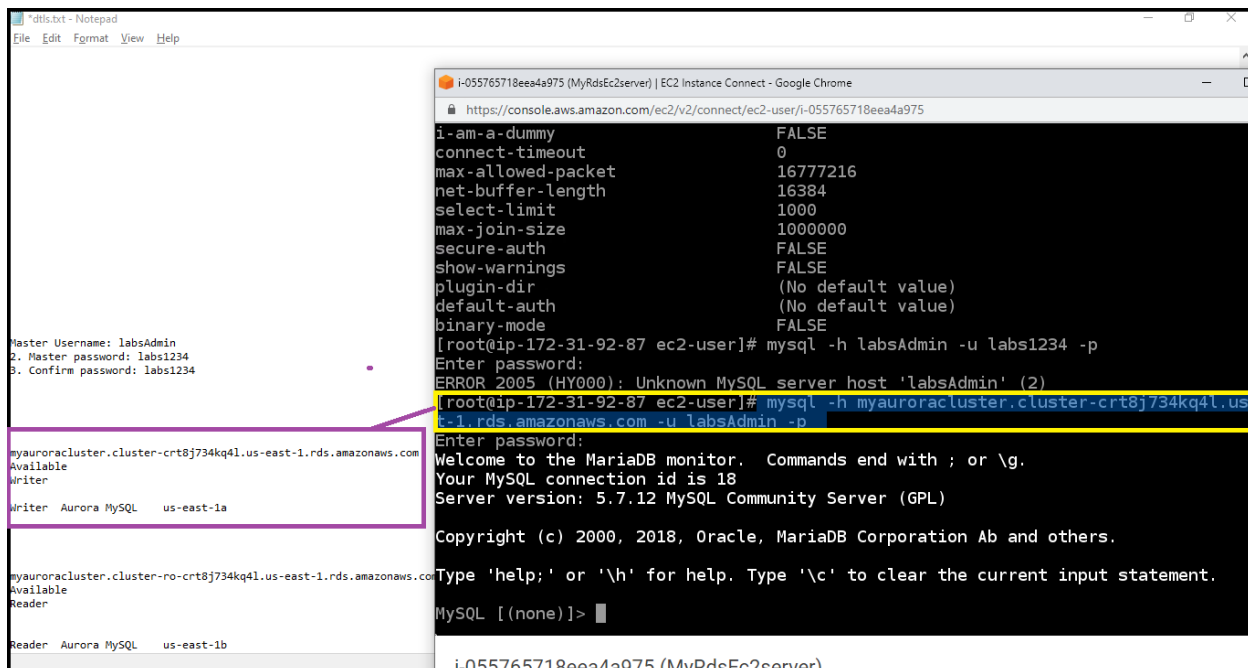
➔ Show Failover in Action

Created a situation where master fails and the read replica has to become the new Master(Writer).
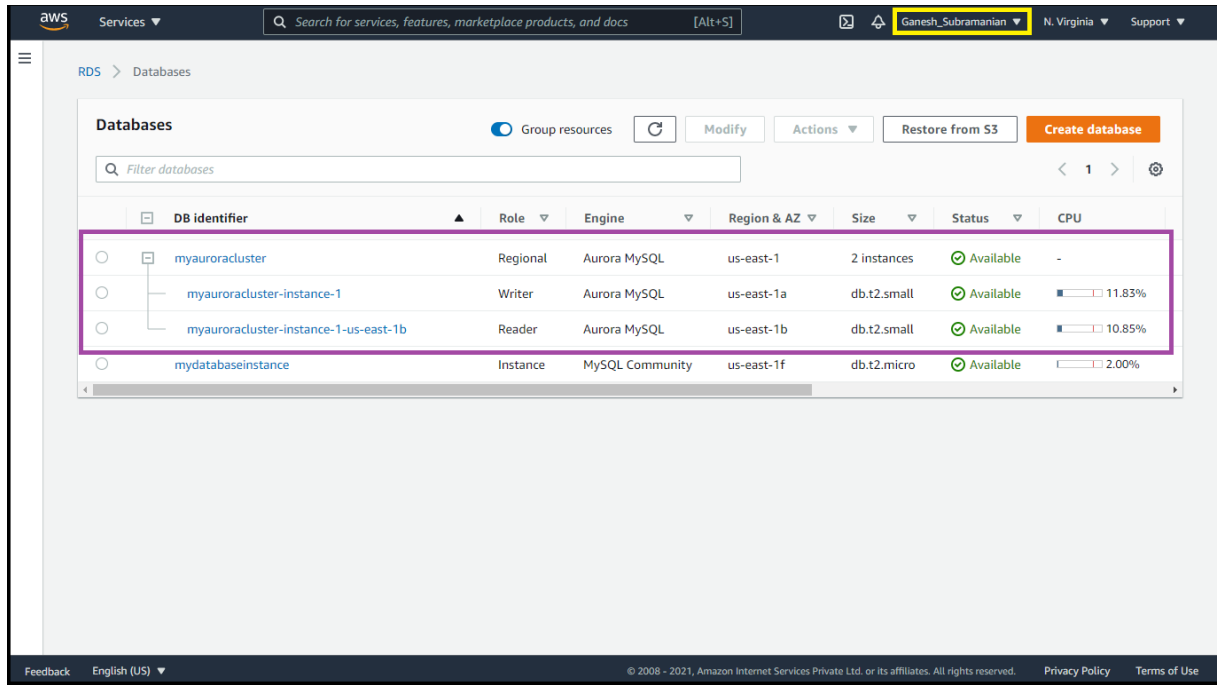
Master(Writer) becomes Reader and Reader becomes Master(Writer) as shown below

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Connecting to RDS with new Master endpoint and to check if the original master db (auror_db) is still present. The original master db (auror_db) is present, implying that the Failover worked successfully.

Existence of table named students and data can be seen

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Inserting of new data into the existing students table.

The newly created data is reflected in the Table

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