**Project - 1:**

**Deploying a Multi-Tier Website Using AWS EC2**

**Problem Statement: Company ABC wants to move their product to AWS. They have the following things set up right now:**

**1. MySQL DB**

**2. Website (PHP)**

**The company wants high availability on this product, therefore wants Auto Scaling to be enabled on this website.**

**Steps To Solve:**

**1. Launch an EC2 Instance**

**2. Enable Auto Scaling on these instances (minimum 2)**

**3. Create an RDS Instance**

**4. Create Database & Table in RDS instance:**

**a. Database name: intel**

**b. Table name: data**

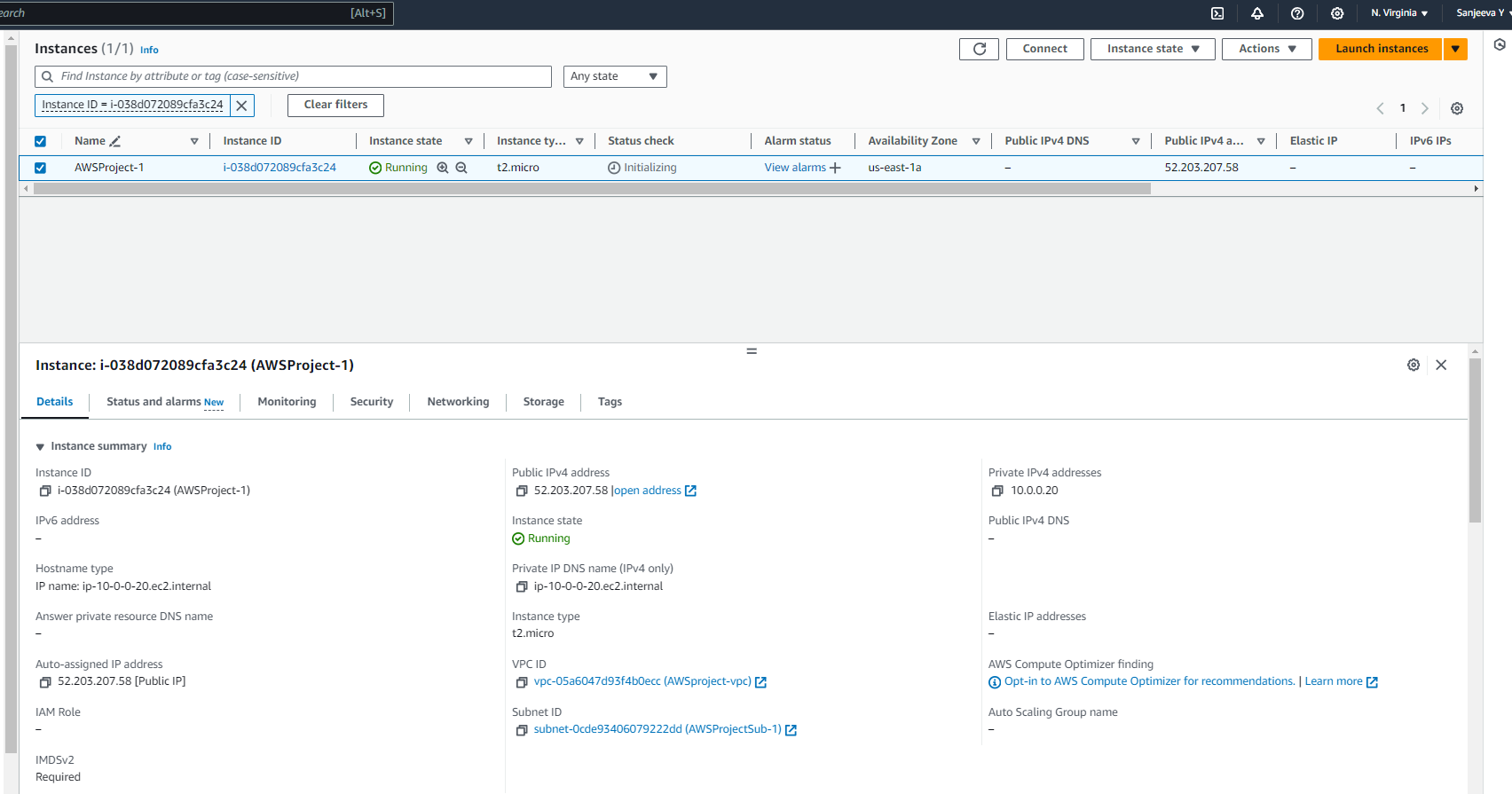
**c. Database password: intel123**

**5. Change hostname in website**

**6. Allow traffic from EC2 to RDS instance**

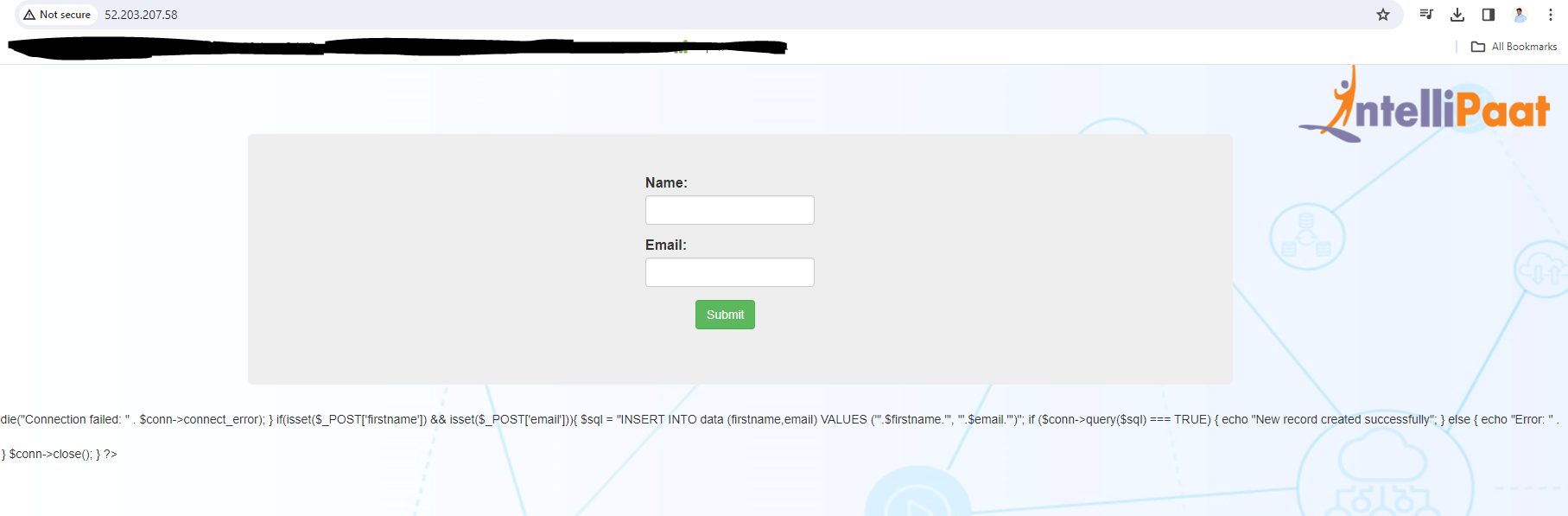
**7. Allow all-traffic to EC2 instance**

**EC2 Instance launched with Public subnet attached with IGW. (Single tier website)**

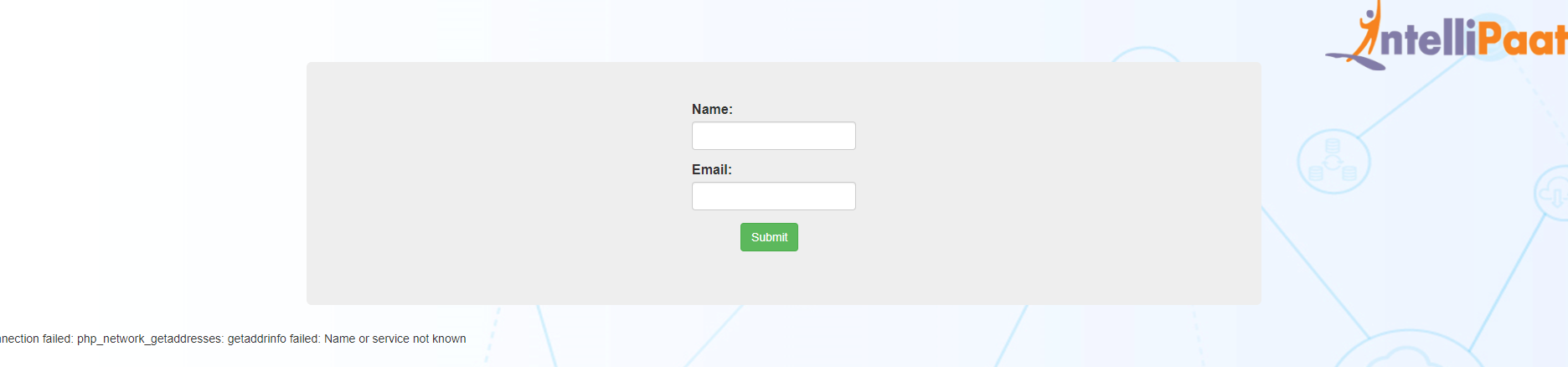




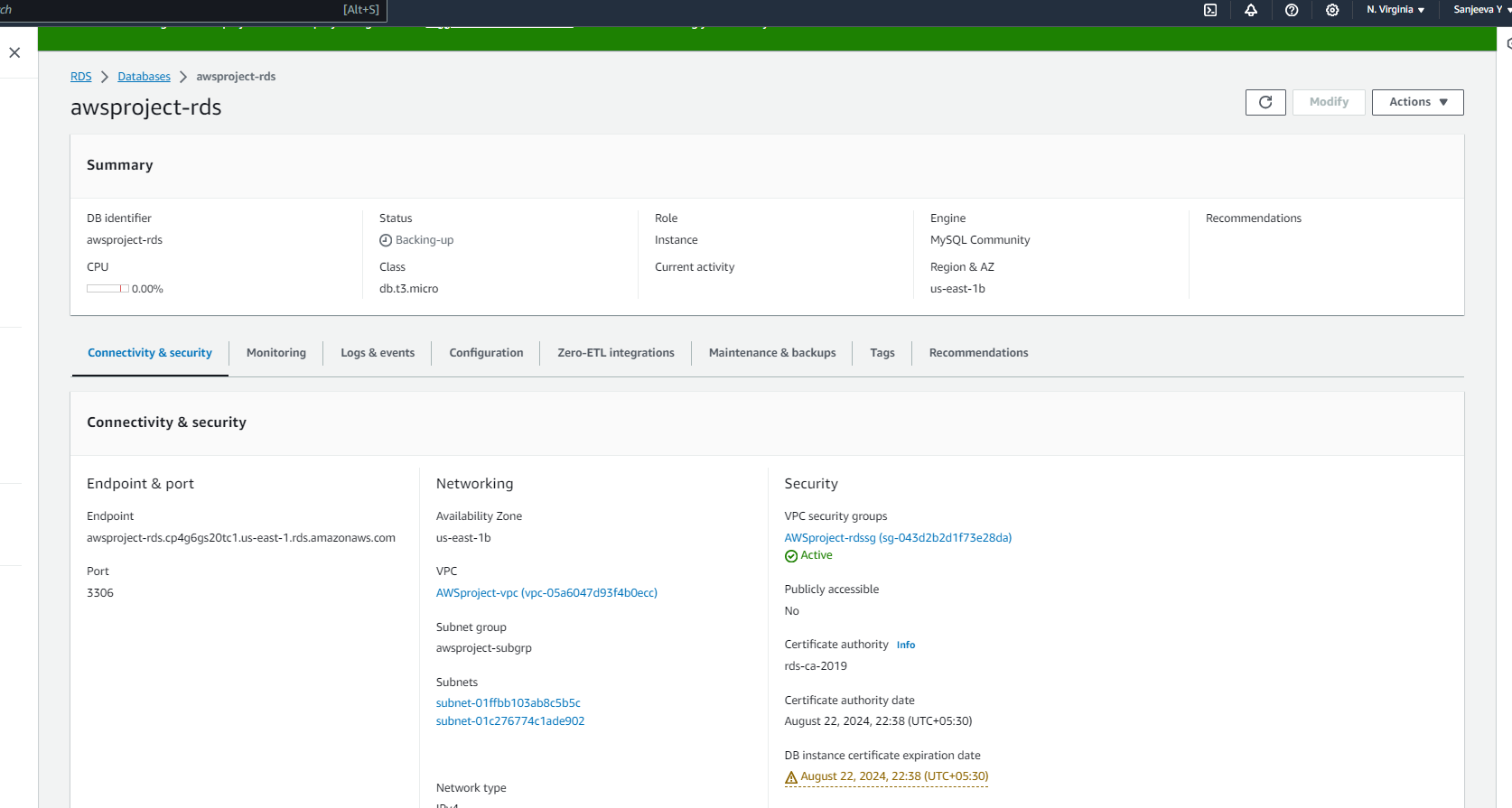
**Removed Index.html and replaced different git hub Index.php**

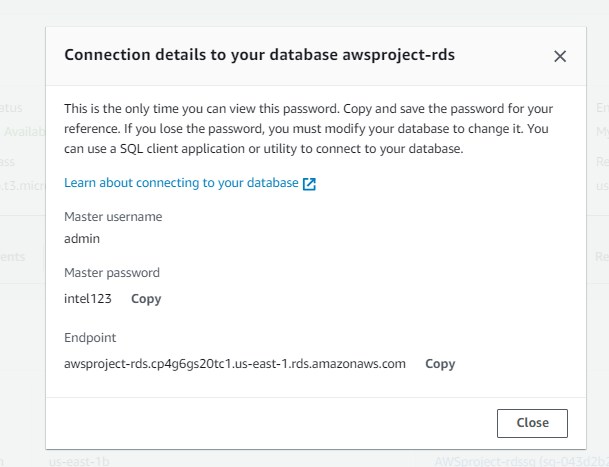


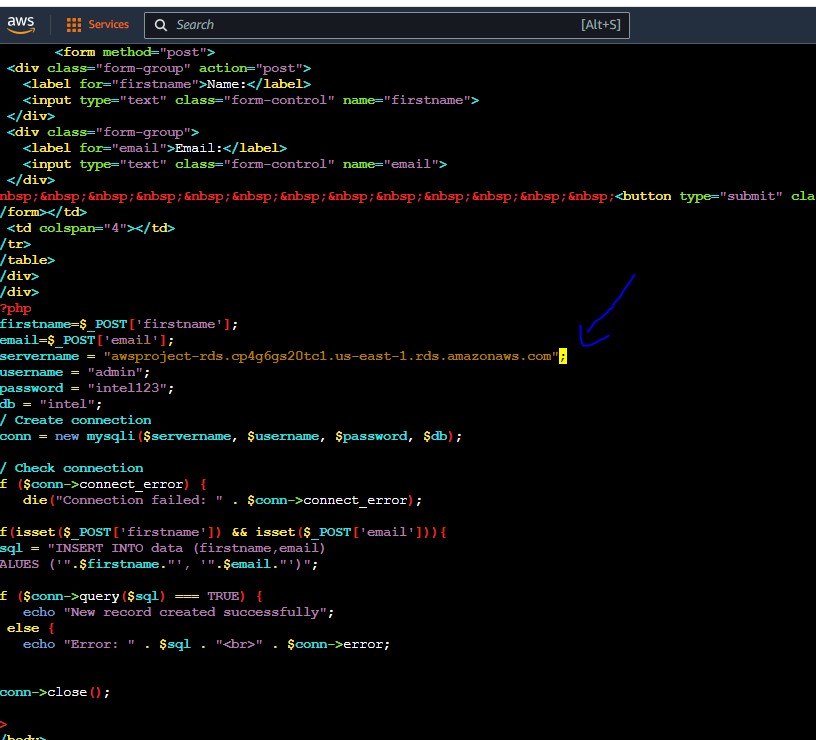
**Few php errors were cleared**



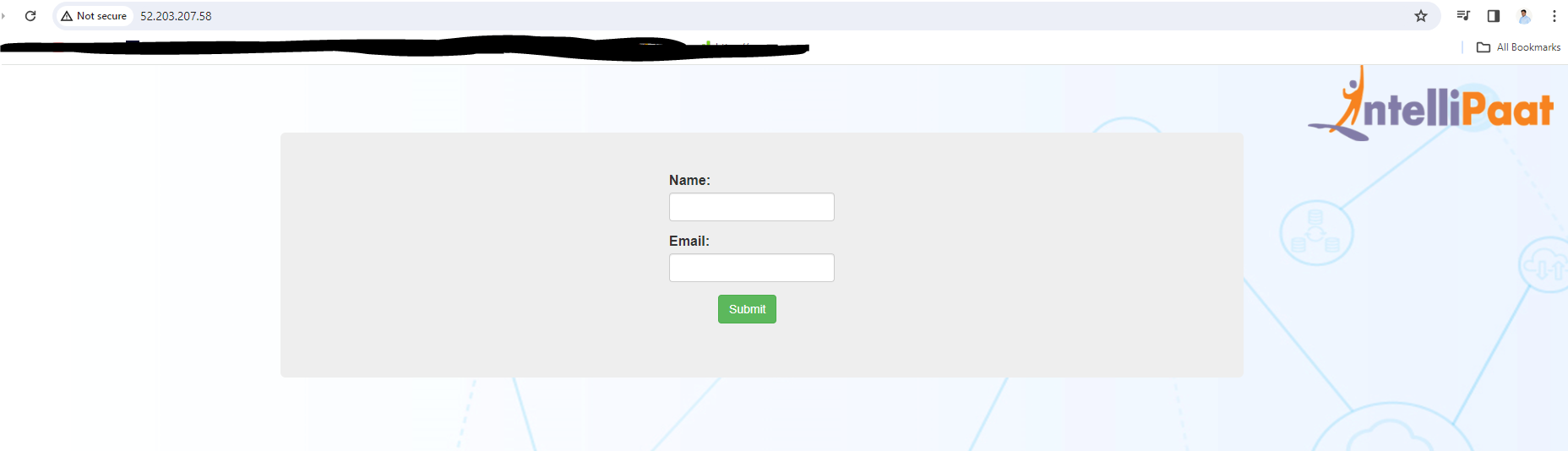
**Database created:**



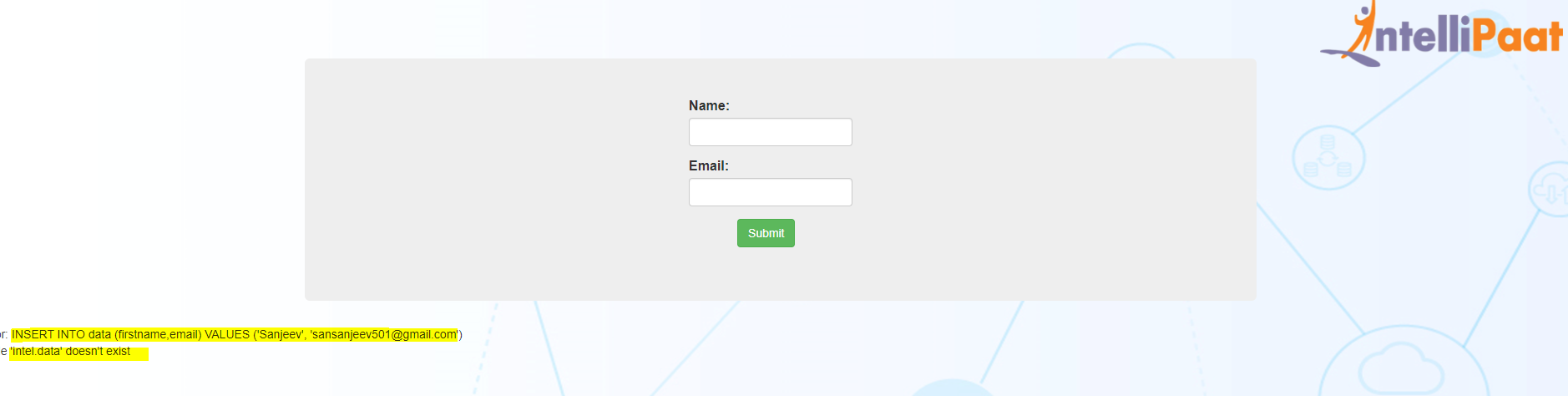




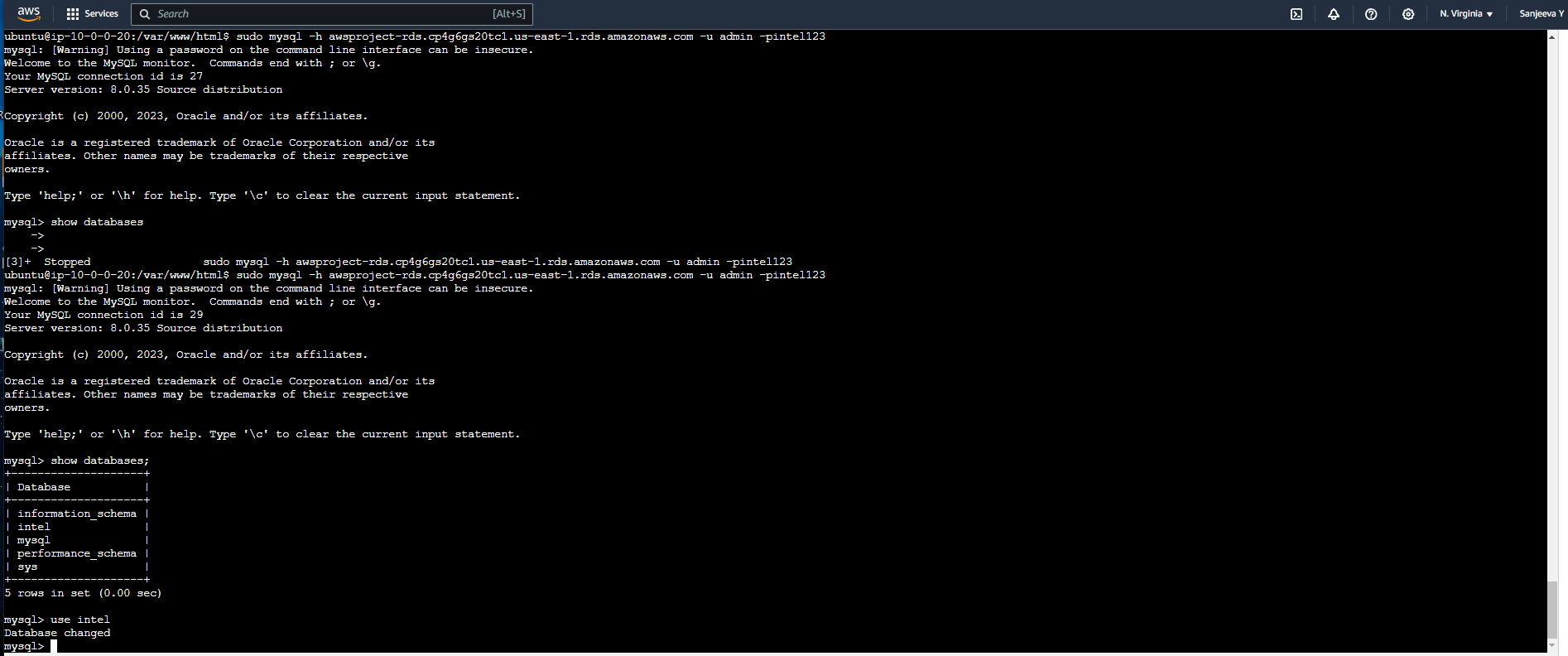
**Security group inbound rule changed:**

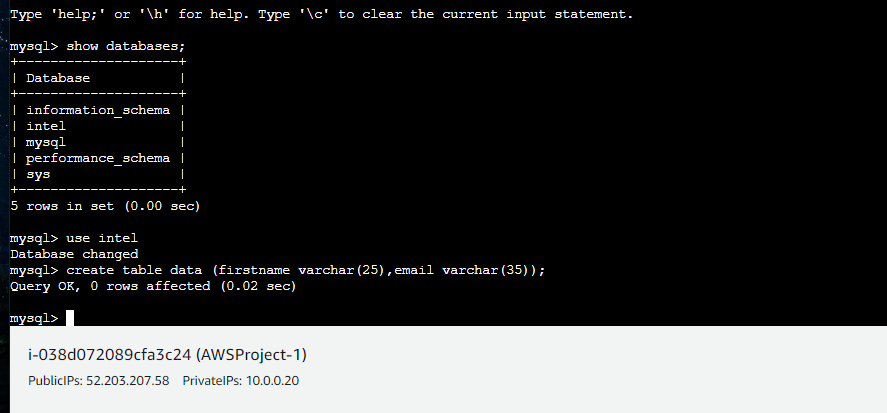


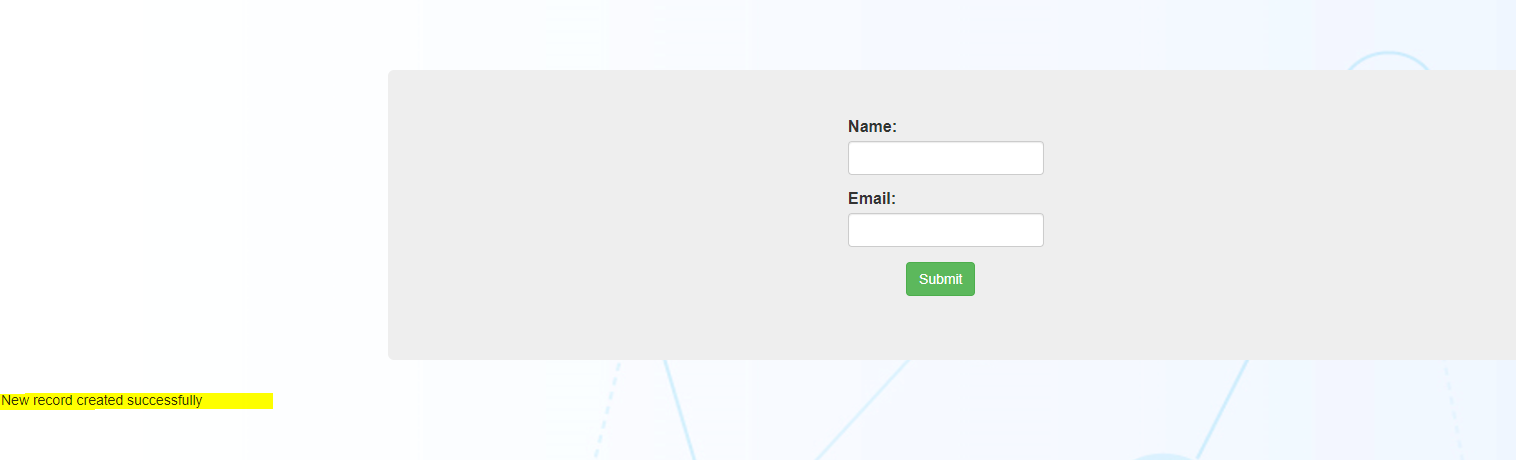
**Error while providing login credentials:**

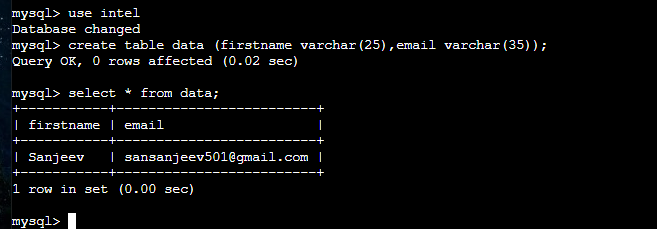


**Creating database:**

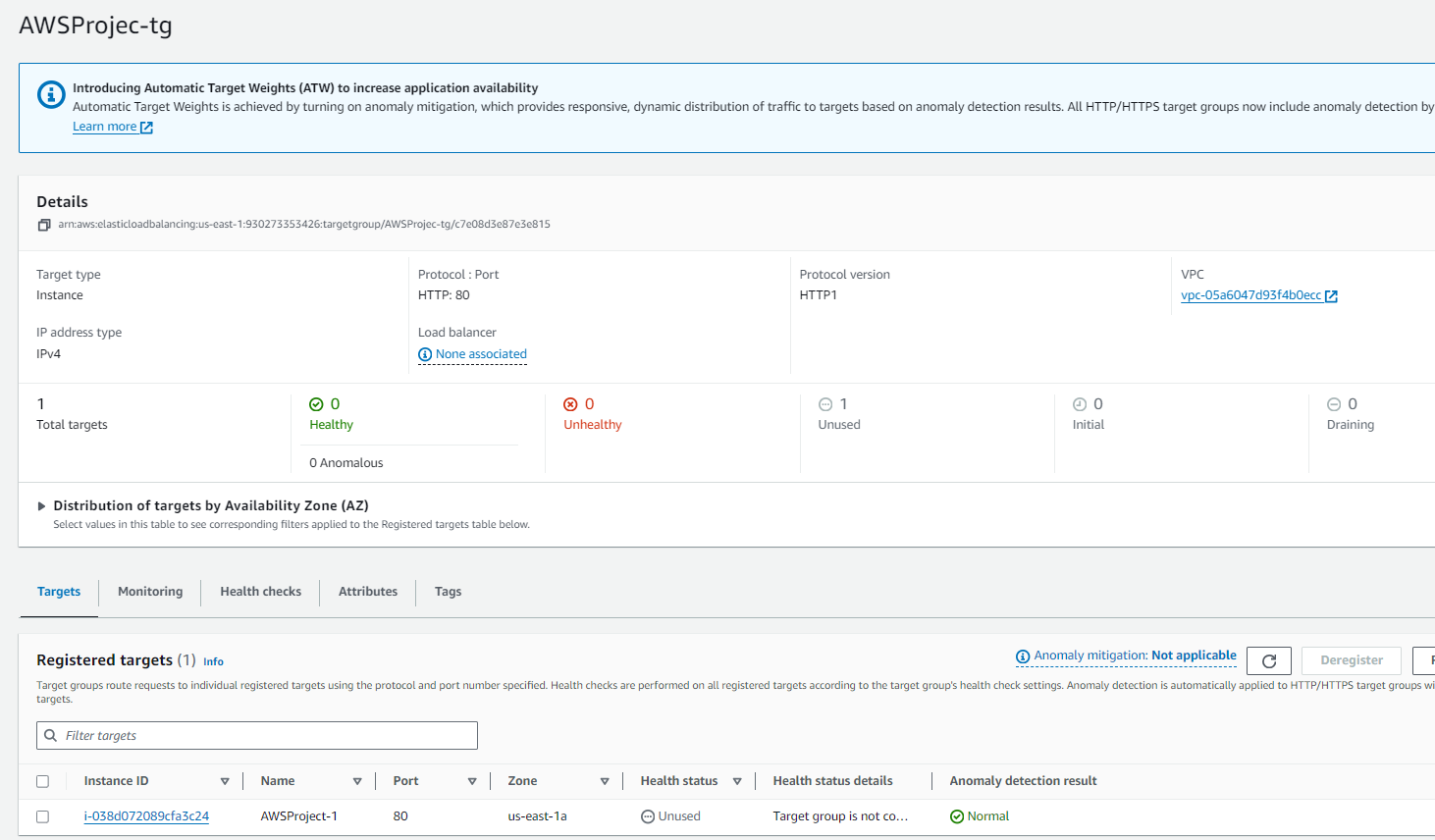


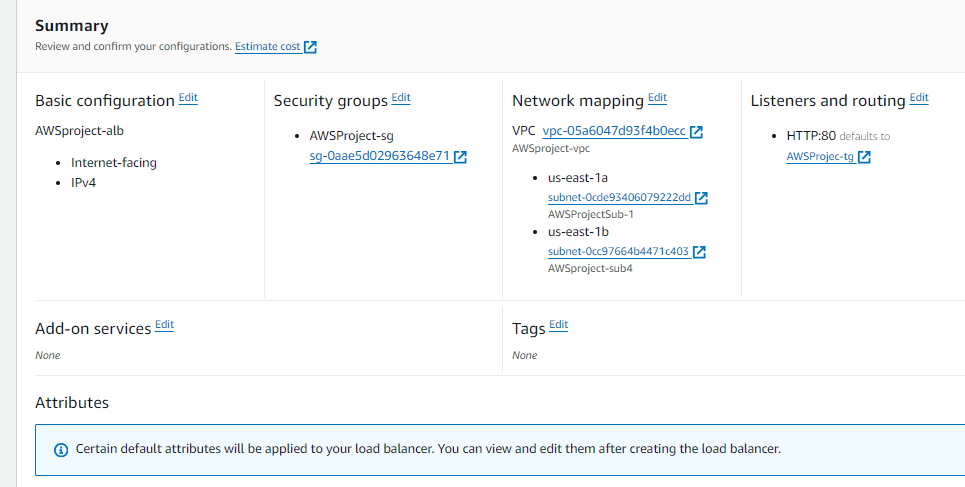


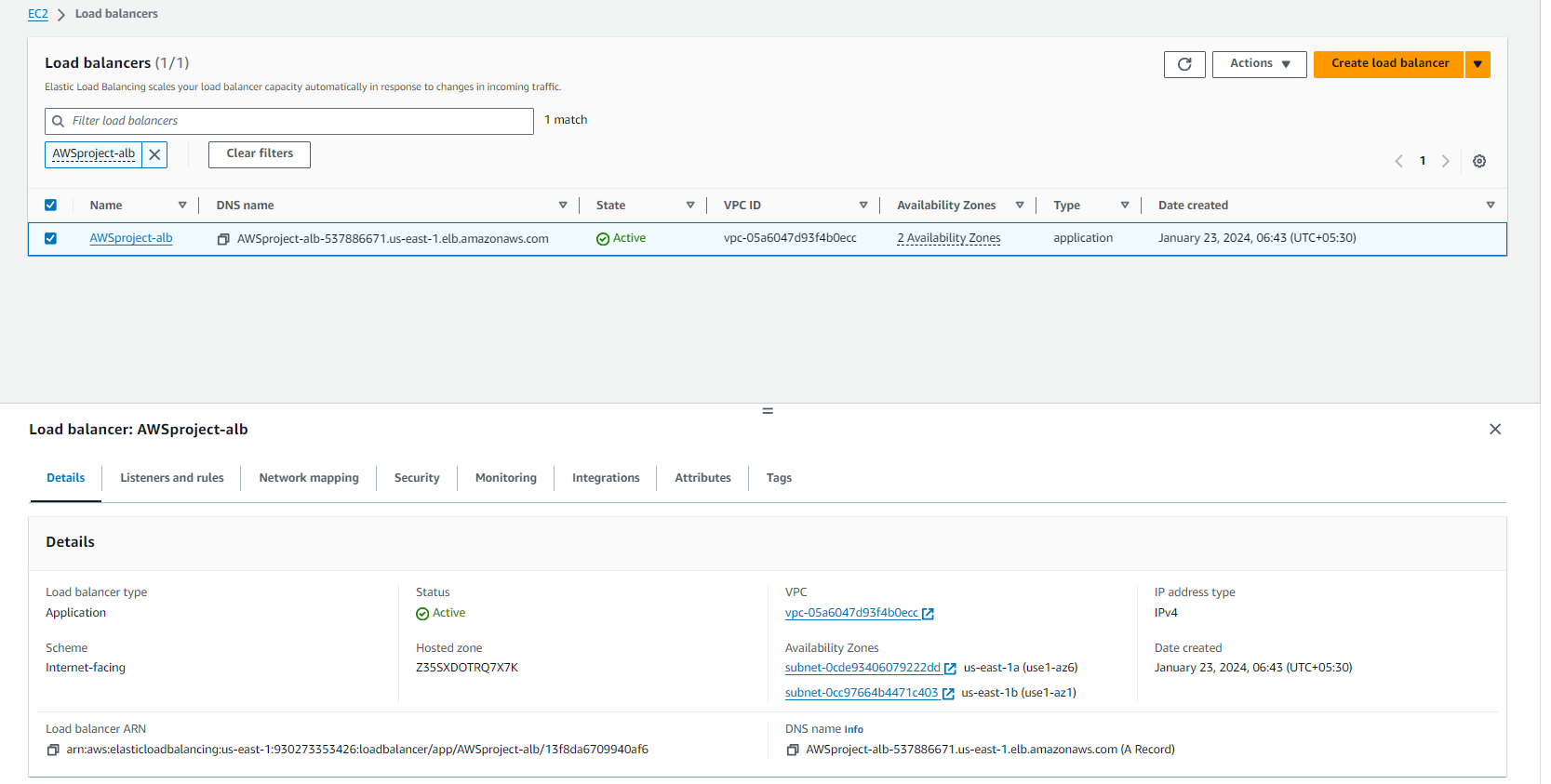




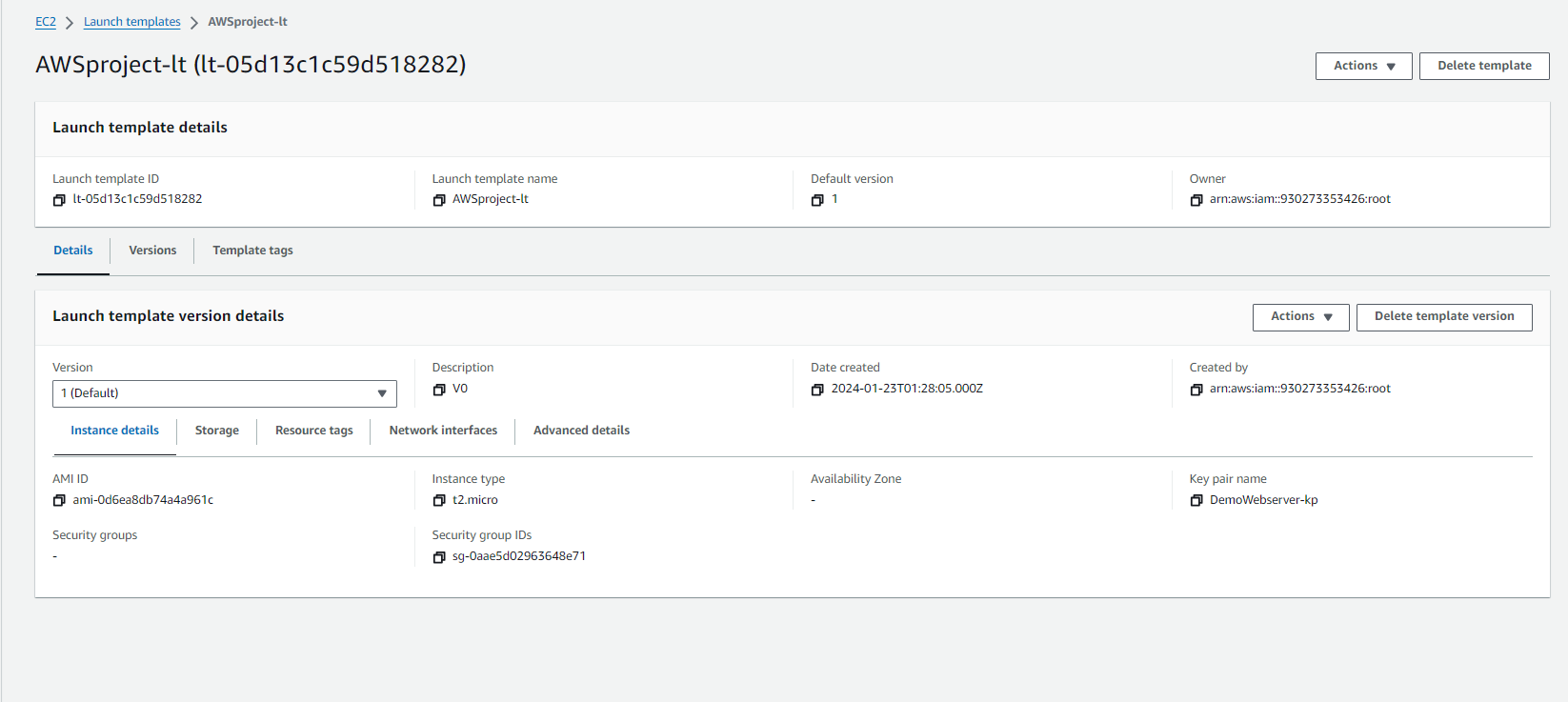
**Creating Target group and Load balancers:**

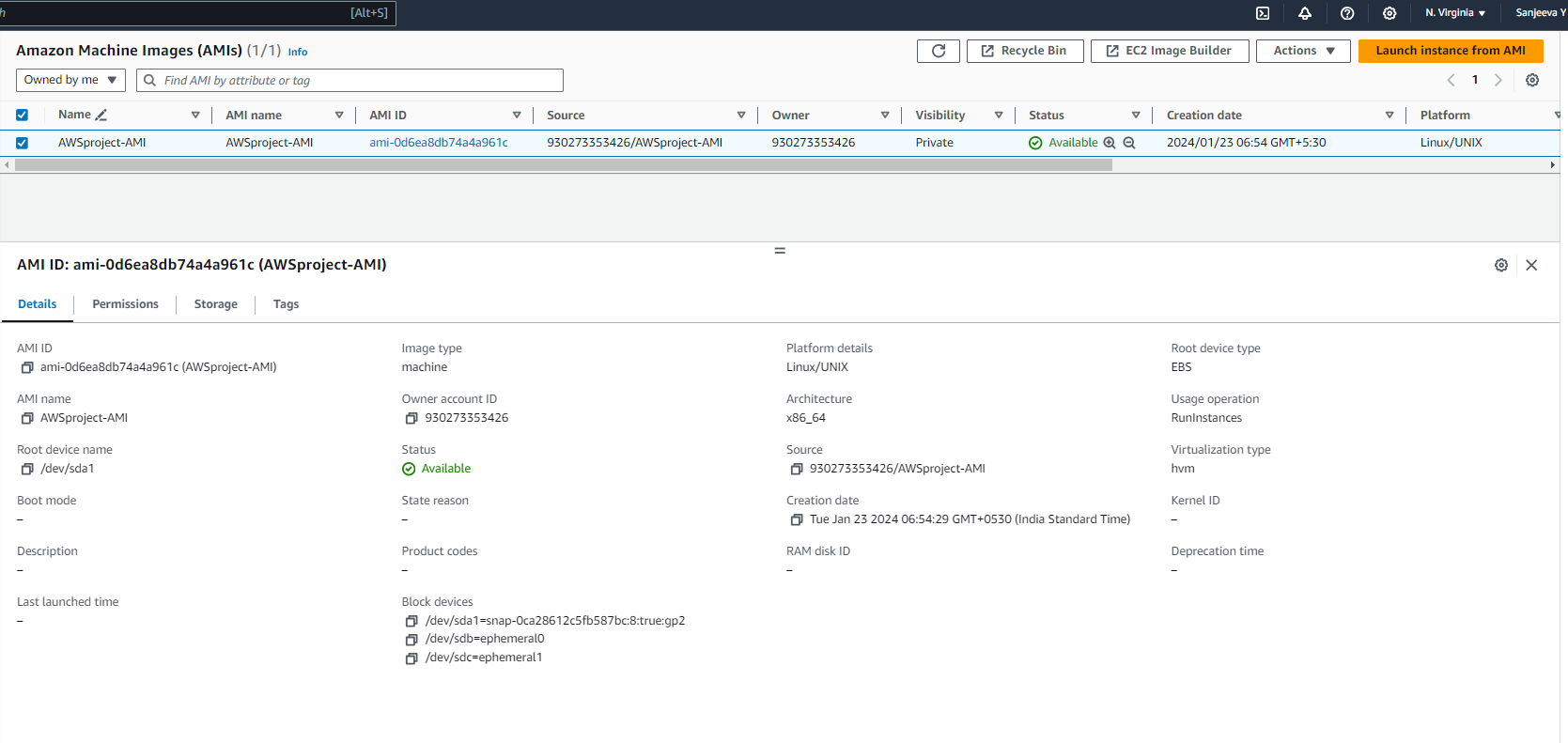






**Launch template & AMI created:**





**Auto scaling group creation:**

