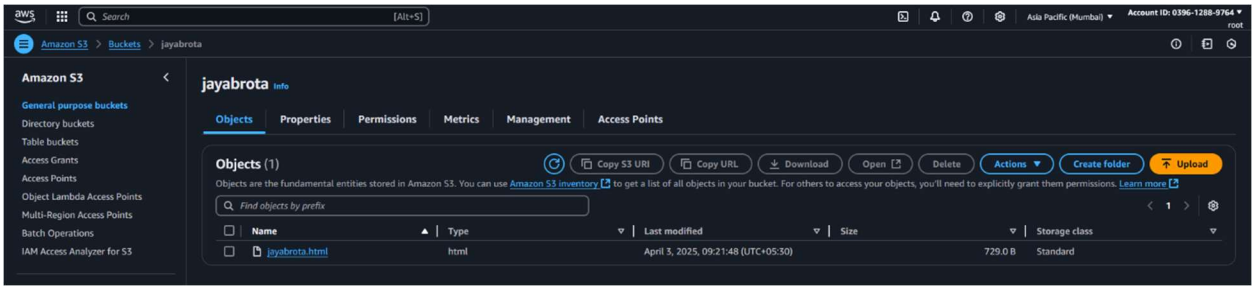
Experiment 4 : S3 Bucket Creation in AWS and Uploading Files

Step 1: Log in to AWS Console

Step 2: Create an S3 Bucket

Step 3: Upload a File to the S3 Bucket



Experiment 5 : Hosting a Web Page on AWS

Step 1: Setting Up an AWS EC2 Instance

Step 2: Connecting to the EC2 Instance

Step 3: Installing a Web Server

- Update the package list using:
- `sudo apt update`
- Install Apache (or Nginx):
- `sudo apt install apache2 -y  # For Ubuntu`
- Start and enable the web server:
- `sudo systemctl start apache2`
- `sudo systemctl enable apache2`

Step 4: Uploading the Web Page

- upload HTML files.
- Navigate to `/var/www/html/` (Apache default directory).
- Replace or create an `index.html` file:
- `echo '<h1>Welcome to My AWS Hosted Web Page</h1>' | sudo tee /var/www/html/index.html`

Step 5: Testing the Web Page

- Open a web browser and enter `http://<EC2-Public-IP>`.
- The web page should load successfully, indicating a successful deployment.

Experiment 6 : To-Do List App on AWS (Deploying Cloud Project)

1. Launch an EC2 Instance

2. Connect to Your Instance

ssh -i your-key.pem ec2-user@your-instance-public-ip

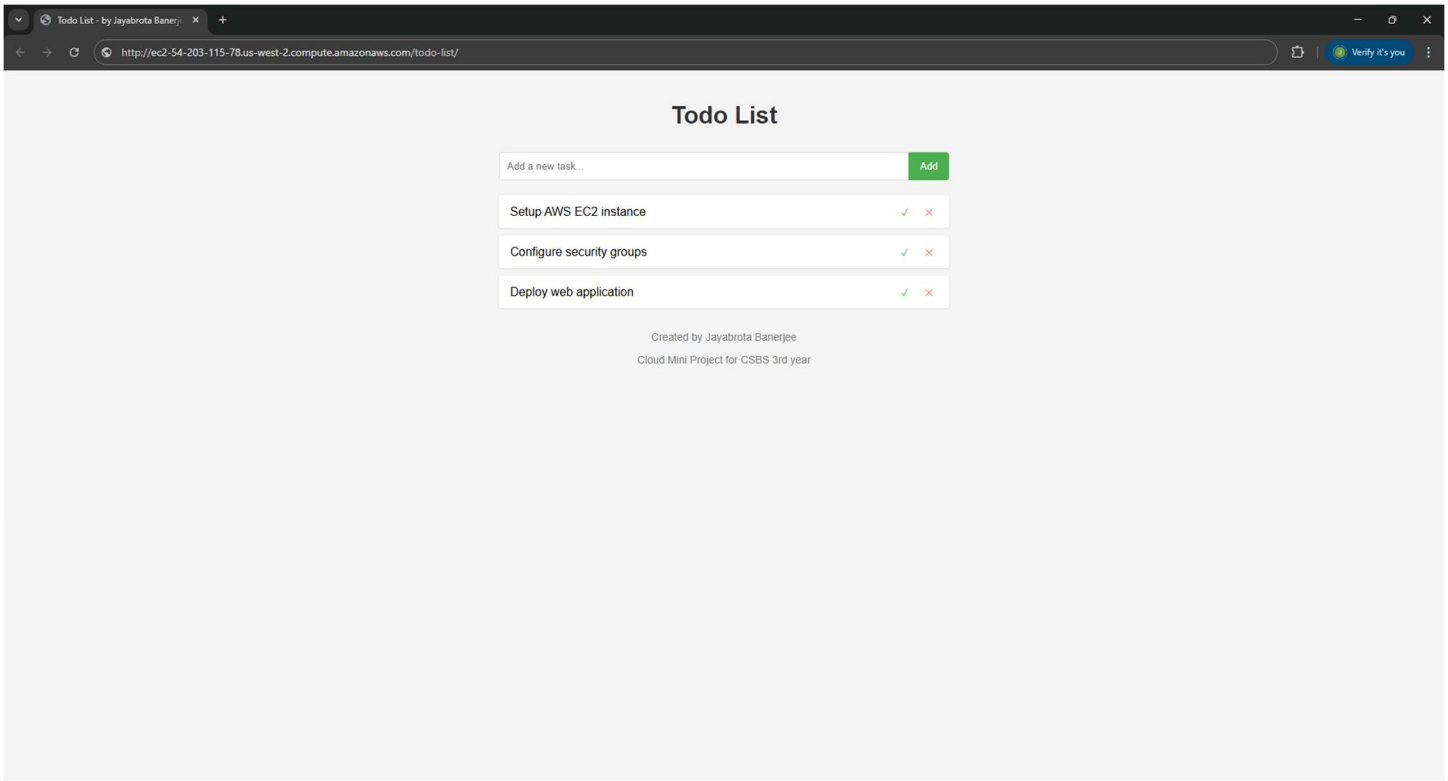
3. Install Apache

i. sudo yum update -y
ii. sudo yum install httpd -y
iii. sudo systemctl start httpd
iv. sudo systemctl enable httpd

4. Deploy To-Do List App

scp -i your-key.pem -r todo-list/* ec2-user@your-instance-public-ip:~/

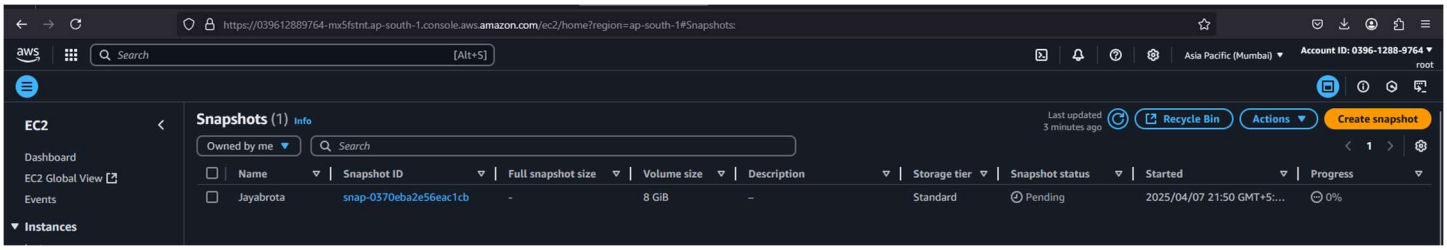
sudo cp -r ~/* /var/www/html/



Experiment 7 : Creating a Snapshot and an Image in AWS

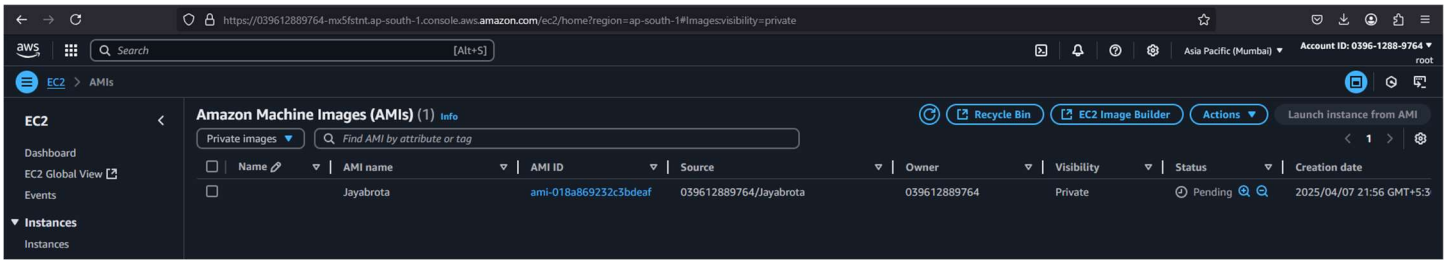
Step 1: Creating an EBS Snapshot

1. **Log in to AWS Console**
2. **Select the EBS Volume**
3. **Create a Snapshot**



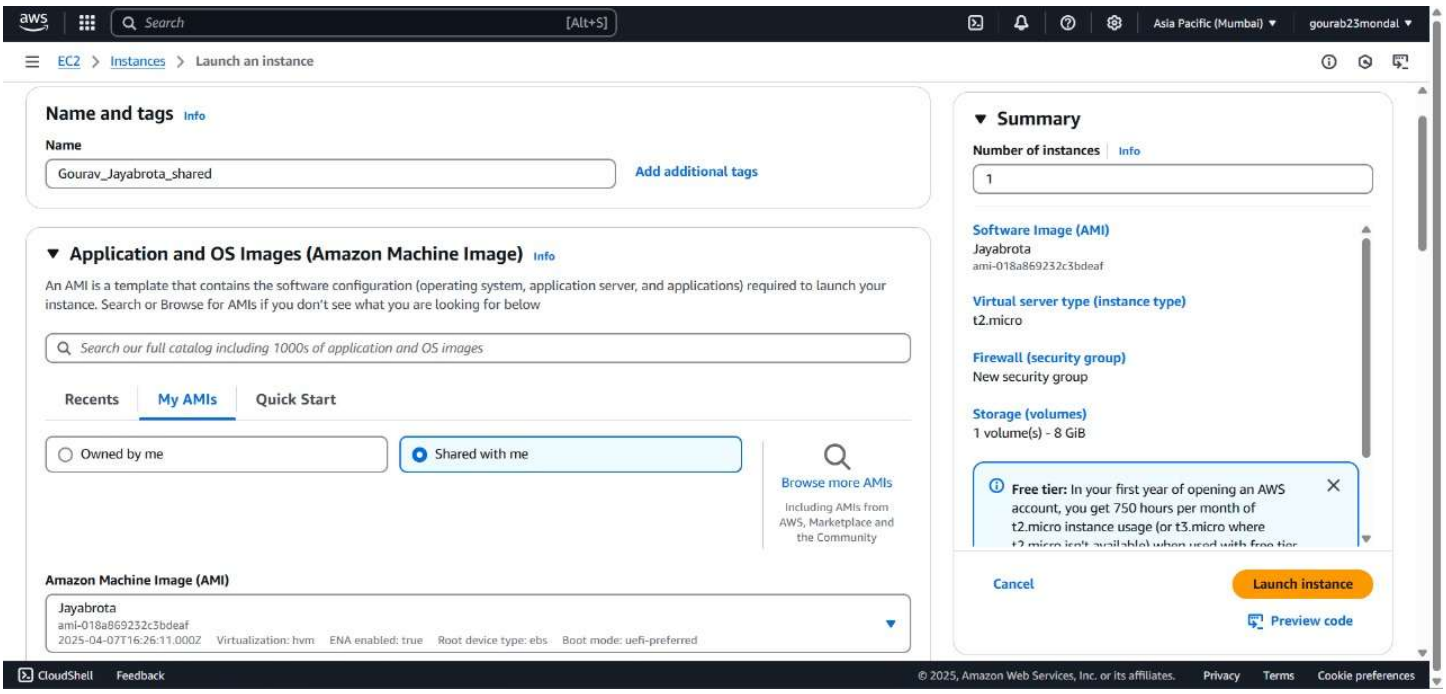
Step 2: Creating an AMI from an EC2 Instance

1. **Navigate to EC2 Dashboard**
2. **Create an AMI**
3. **Monitor AMI Creation**

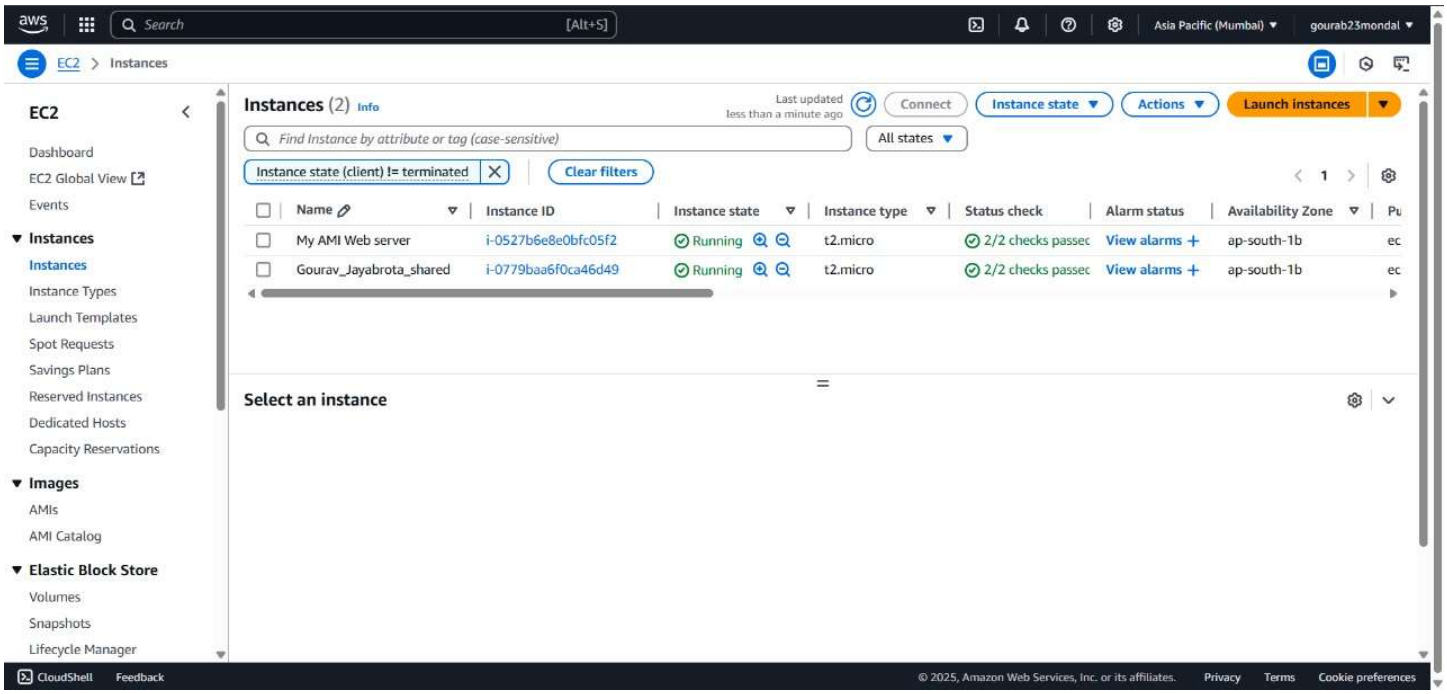


Experiment 8: Live VM Migration on AWS

Step 1: Share AMI with another AWS account

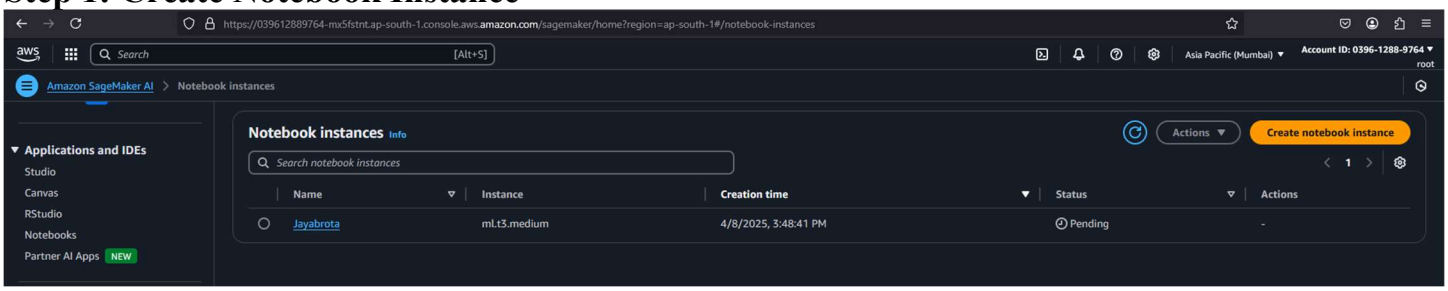


Step 2: Launch instance from shared AMI

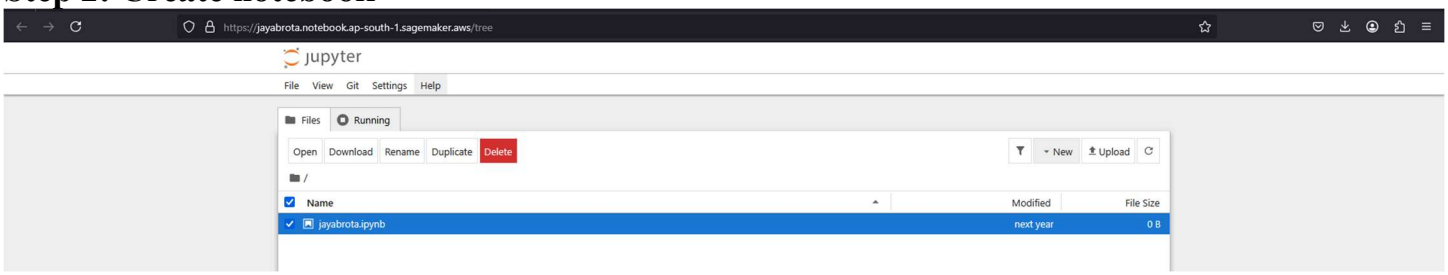


Experiment 9 : AWS SageMaker

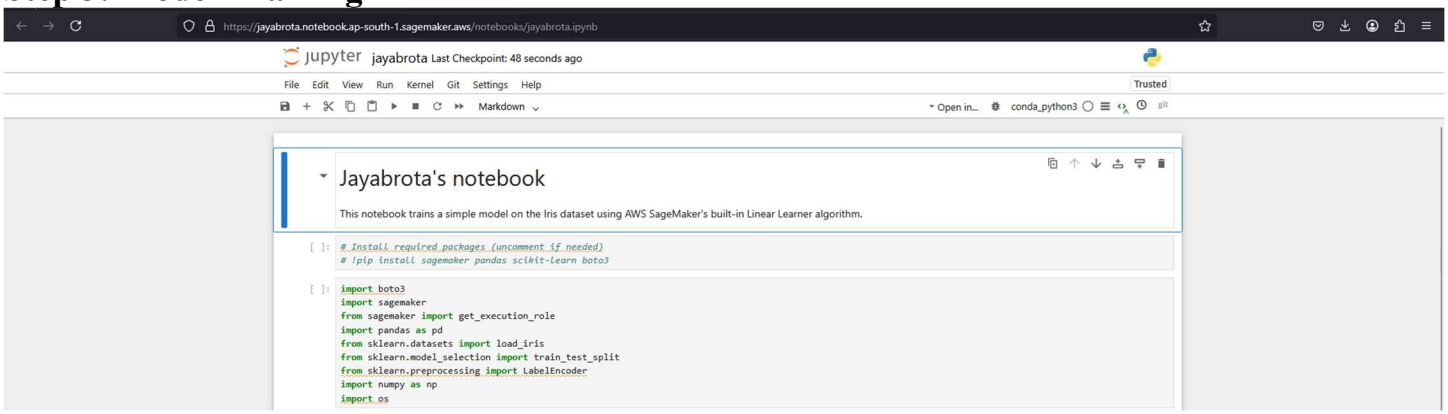
Step 1: Create Notebook Instance



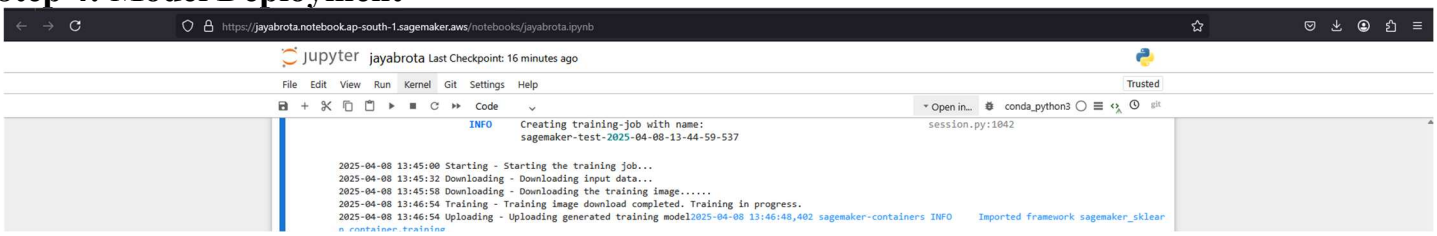
Step 2: Create notebook



Step 3: Model Training



Step 4: Model Deployment



Step 5: Monitoring Results