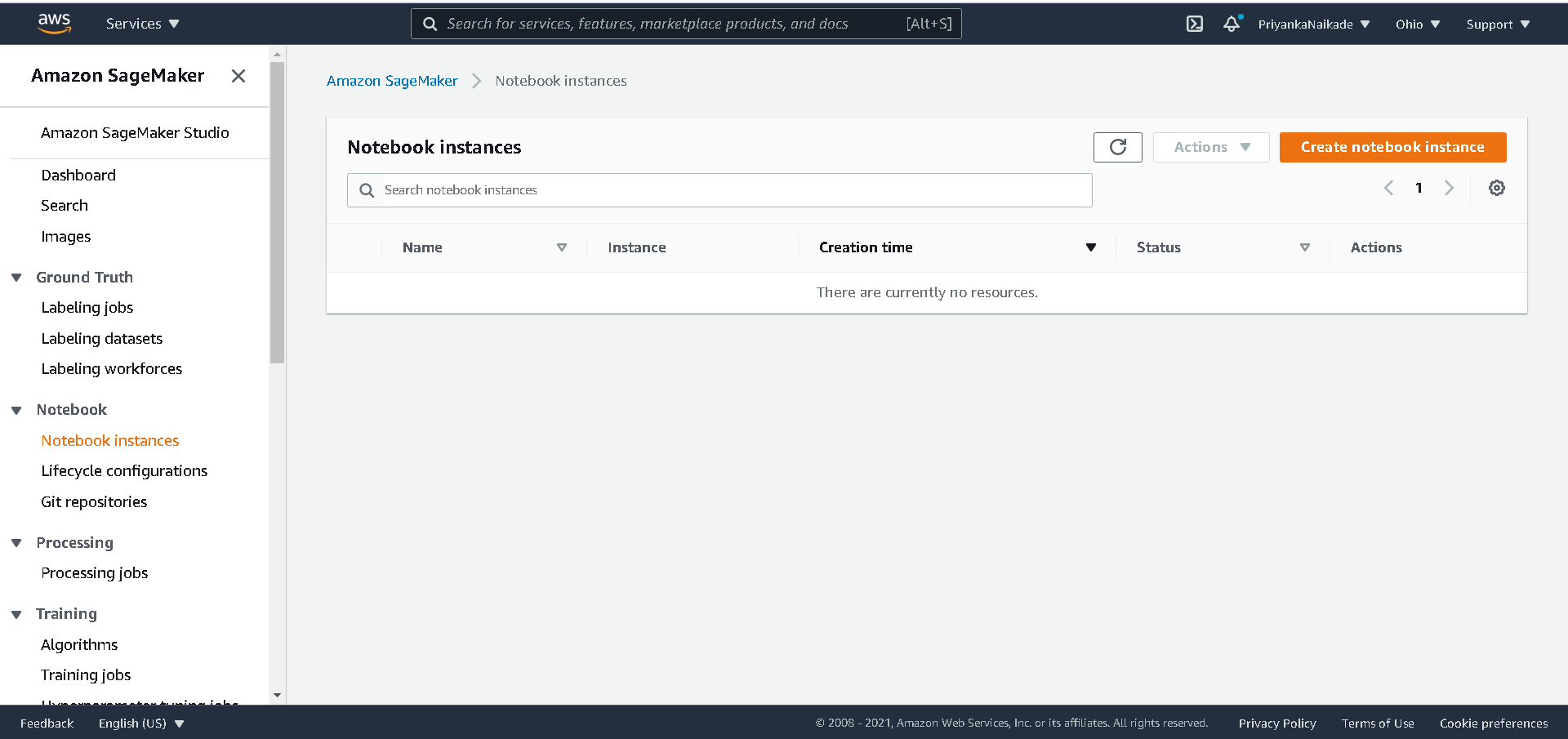
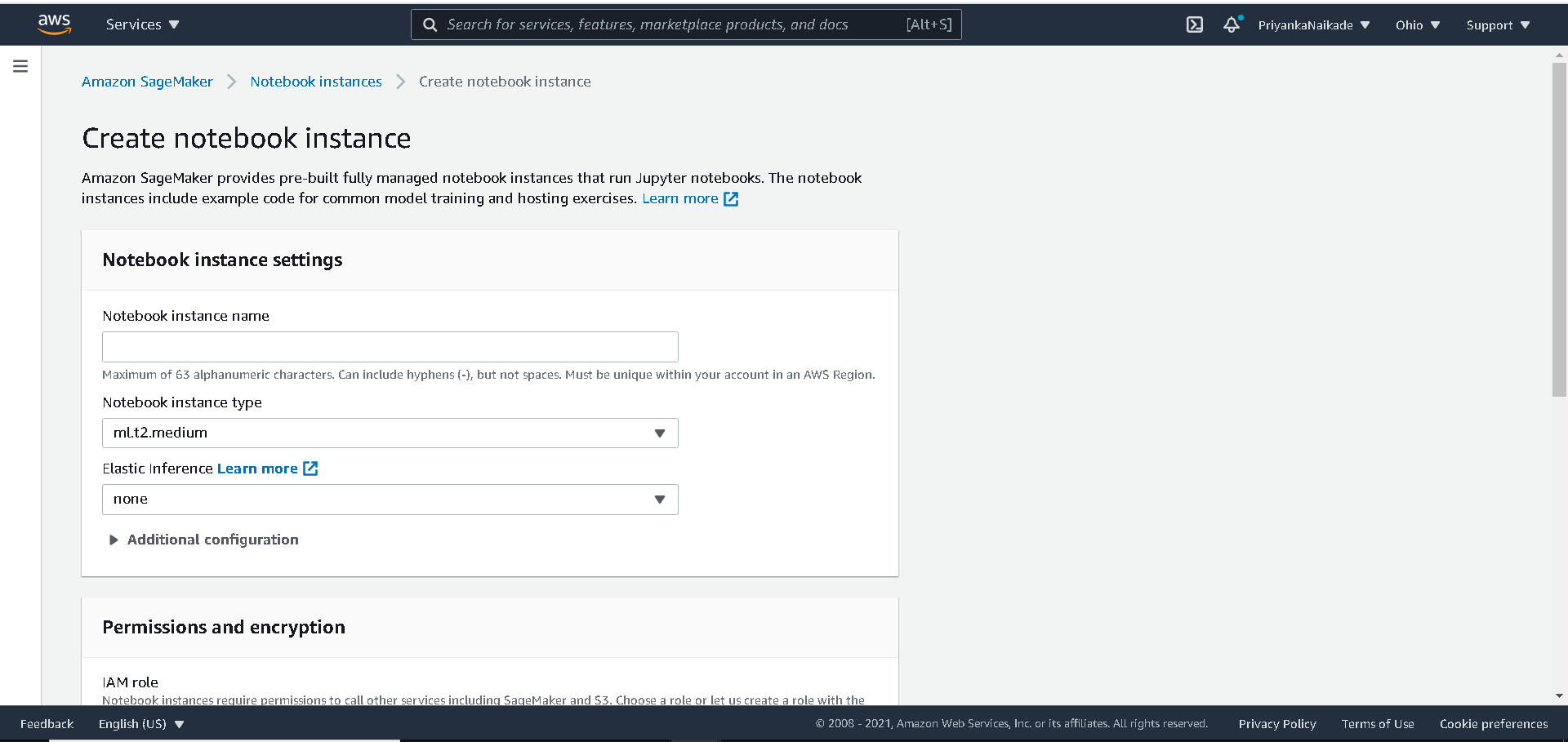
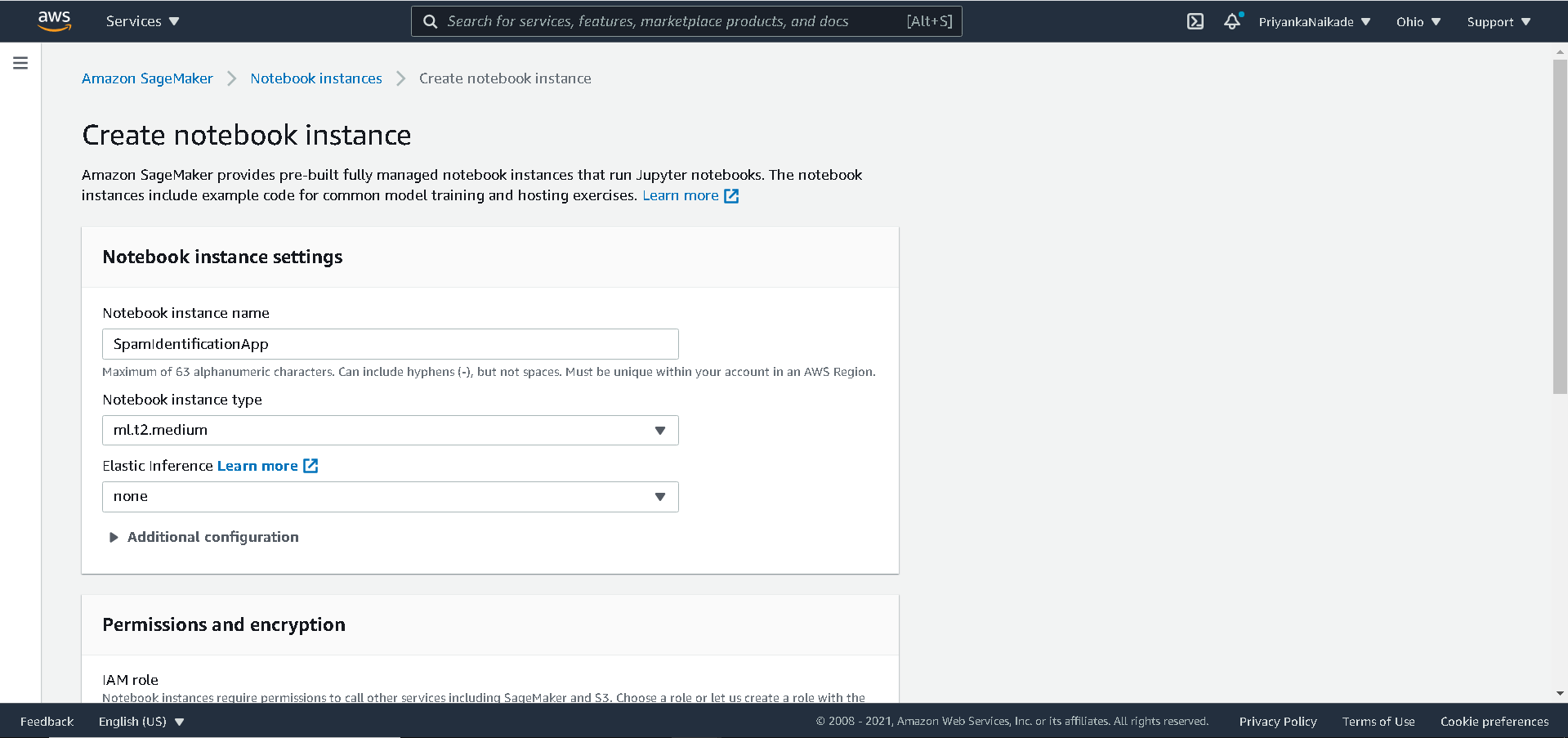
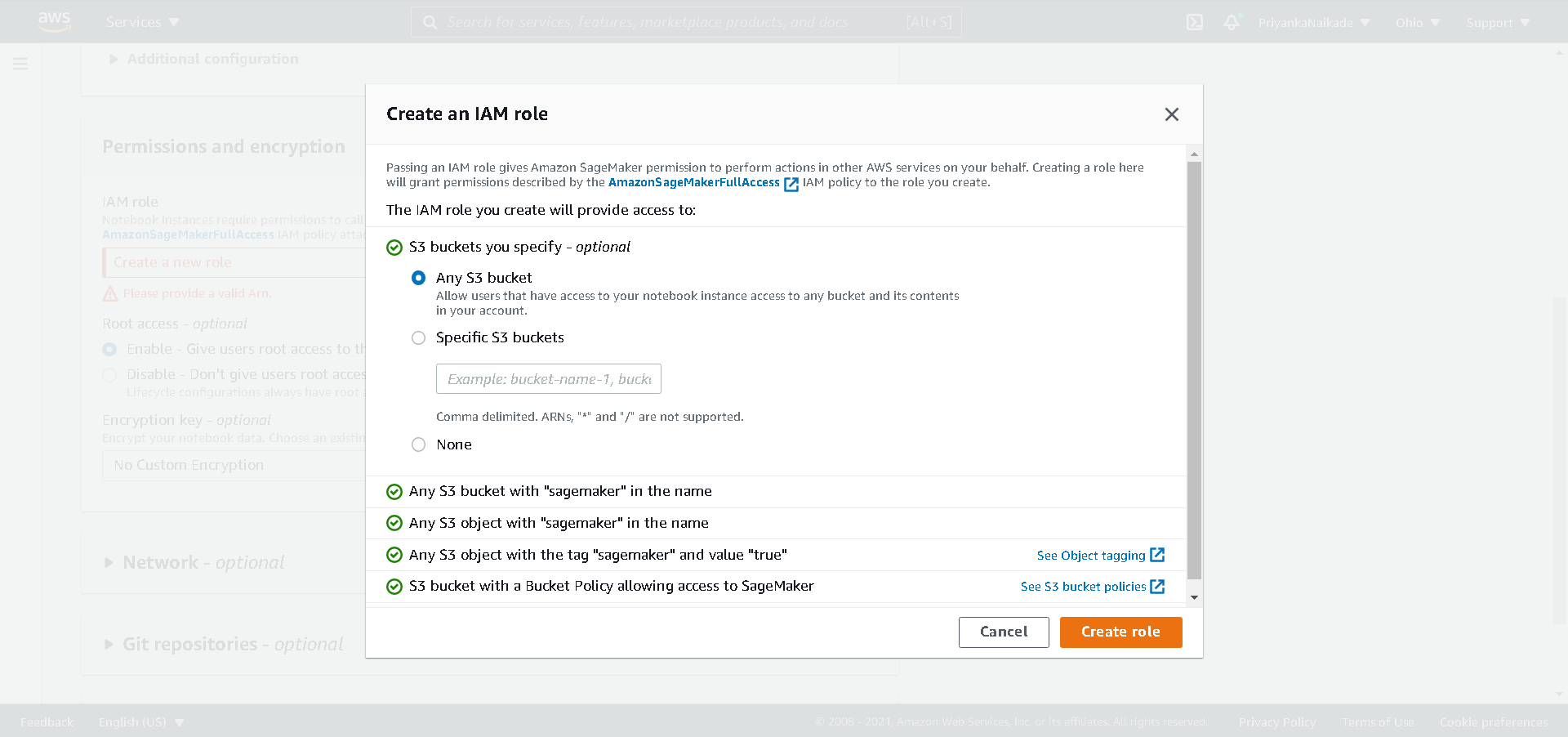
**Creating and Deploying a Machine Learning Model using Amazon SageMaker for Spam Classification**

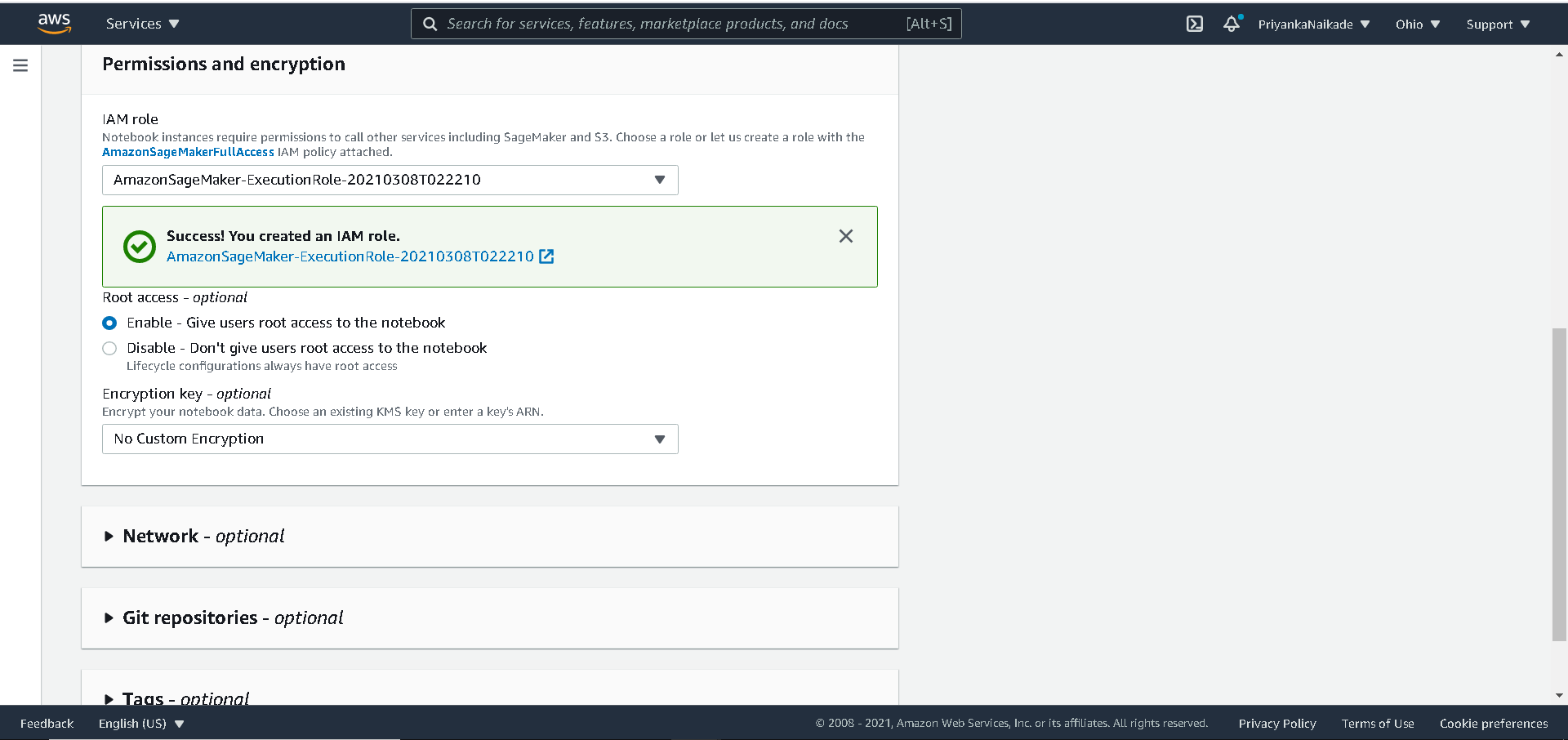
1. **Login to AWS comsole (Free-tier) -> Under Services -> Search for AWS Sagemaker.**
2. **Either open the Amazon Sagemaker studio or create a notebook instance**
3. **Creating a notebook instance**

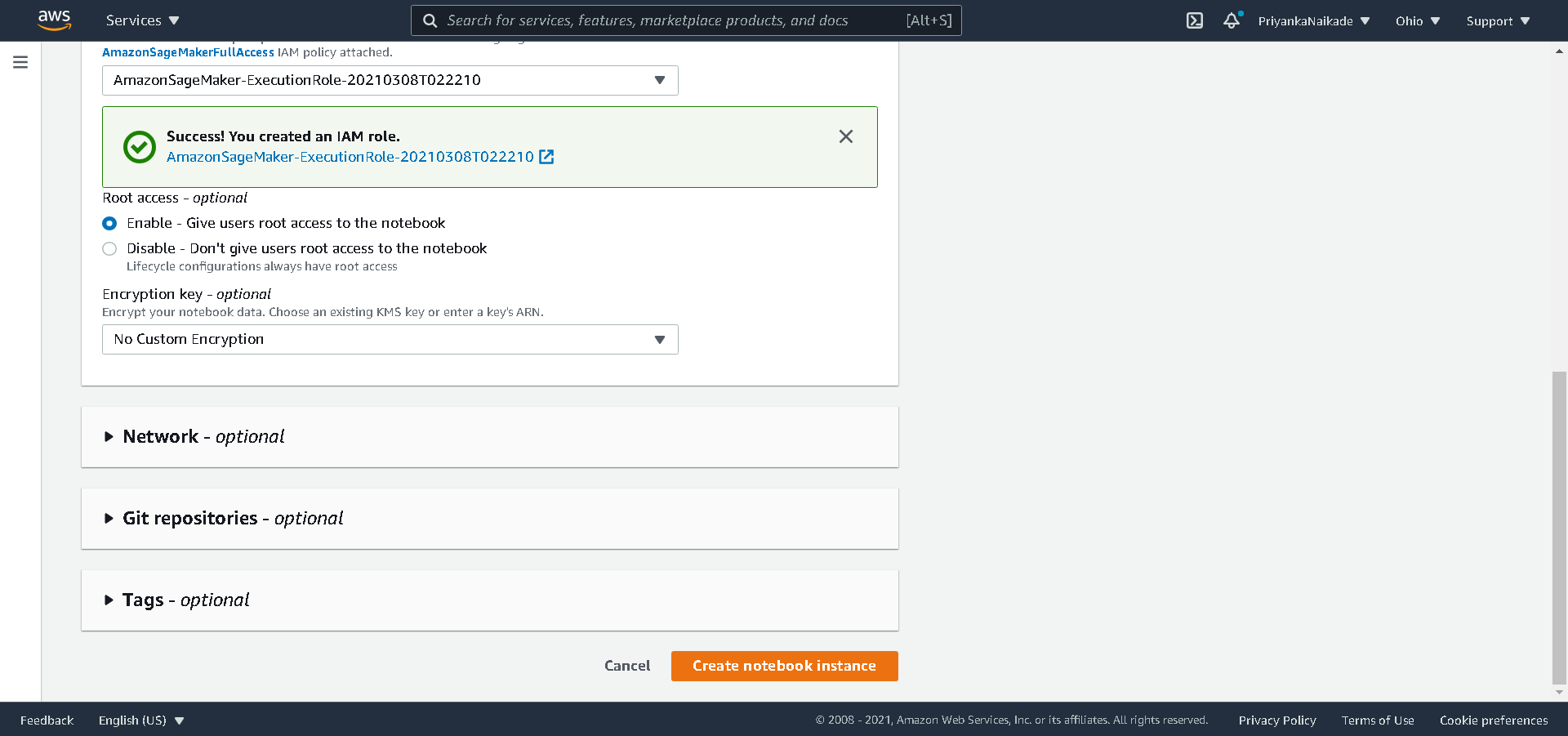


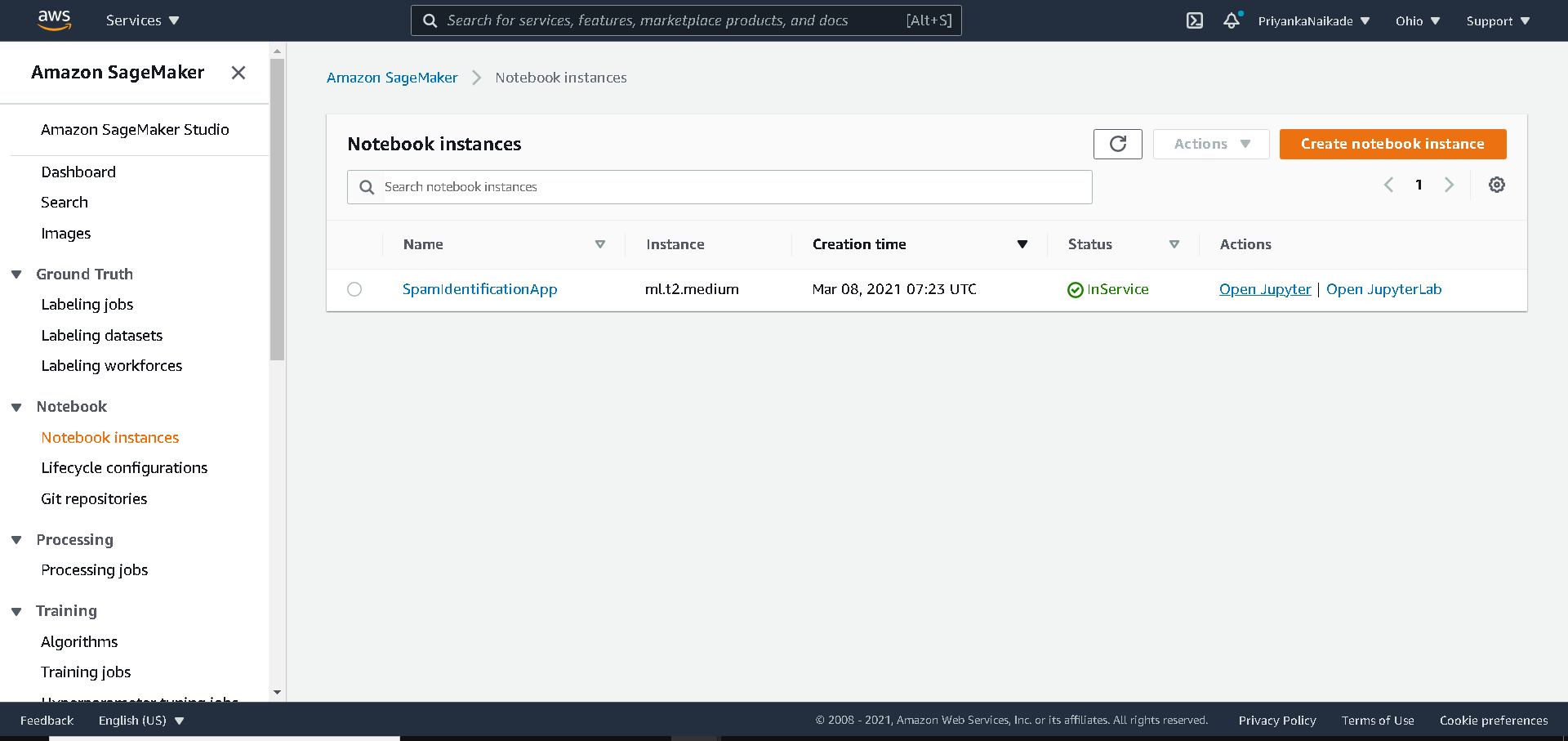




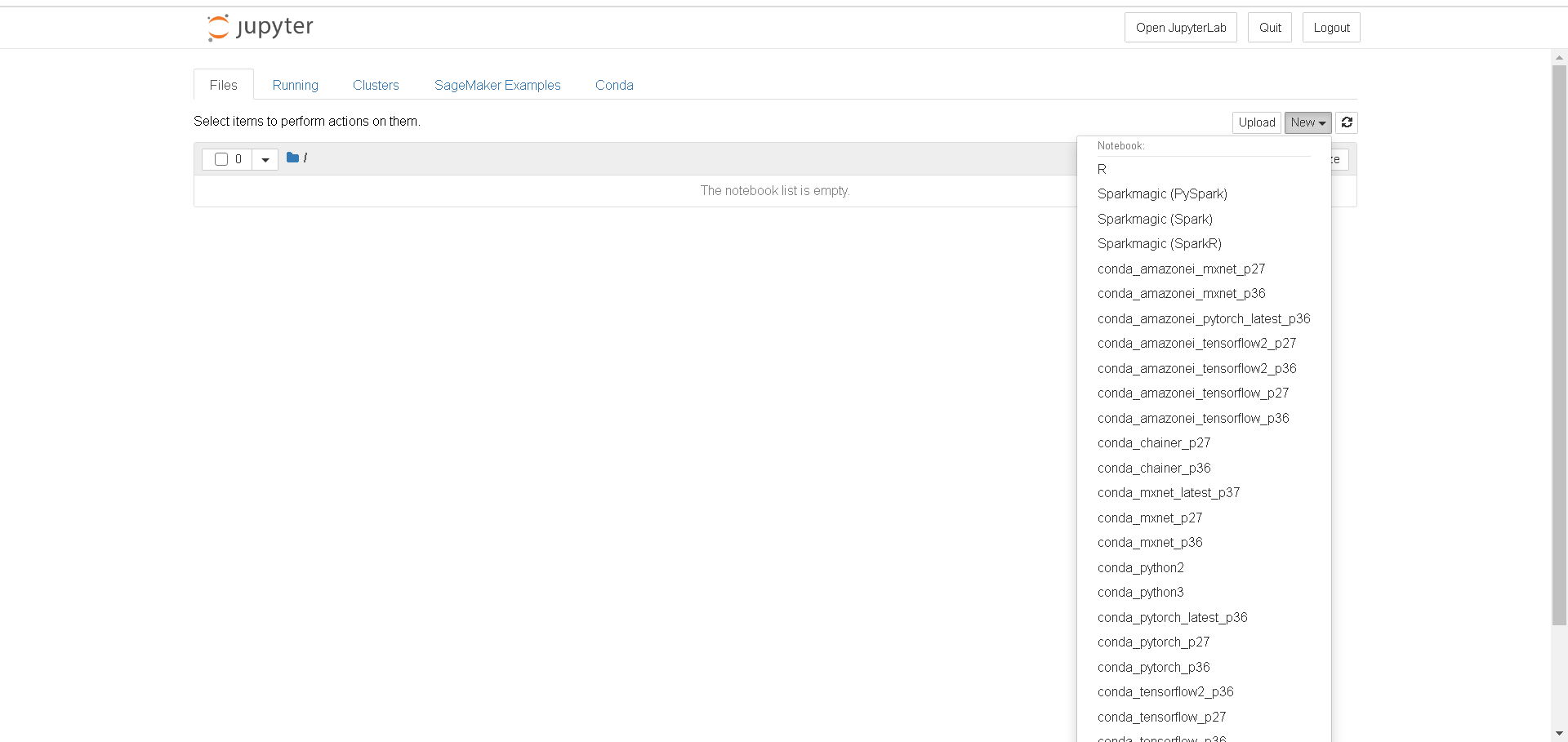


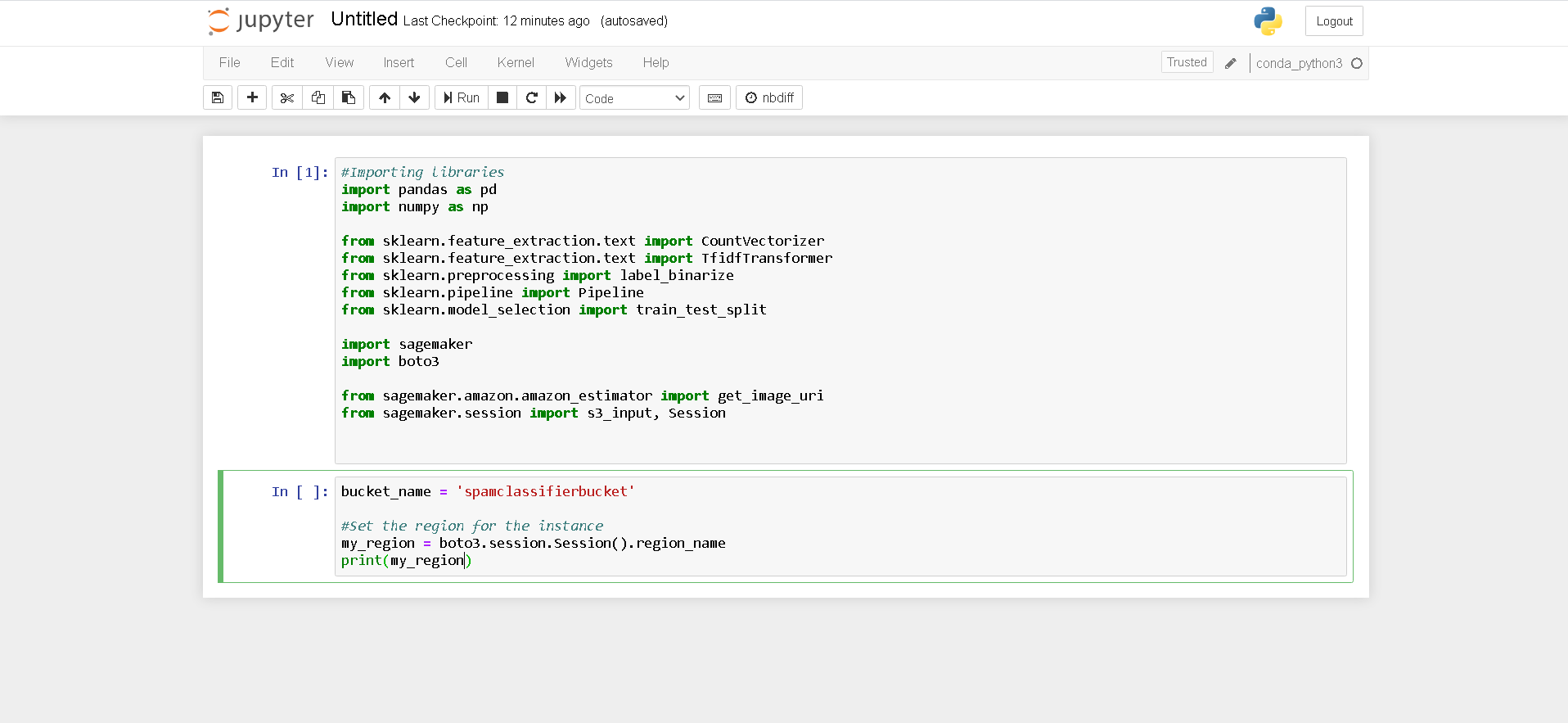


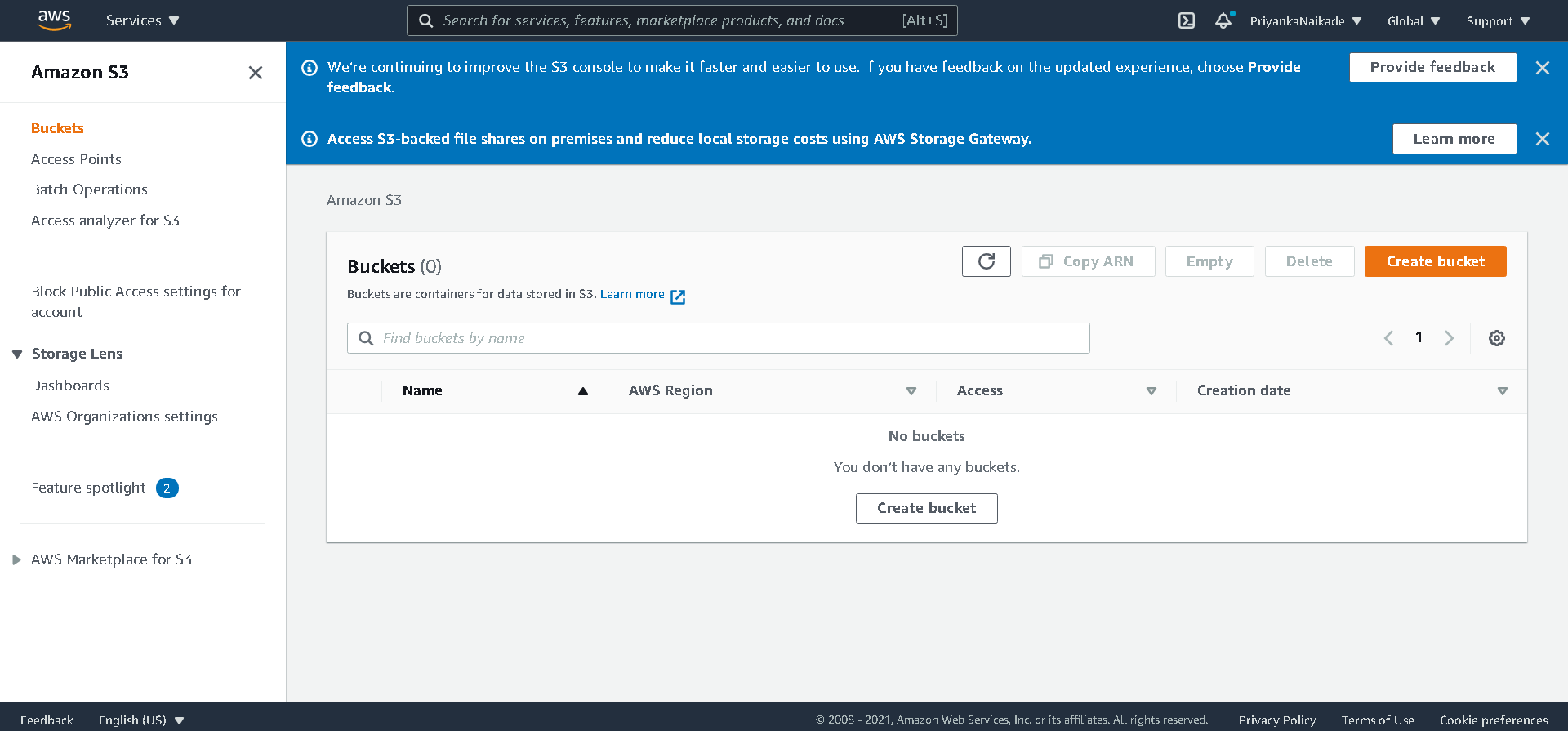


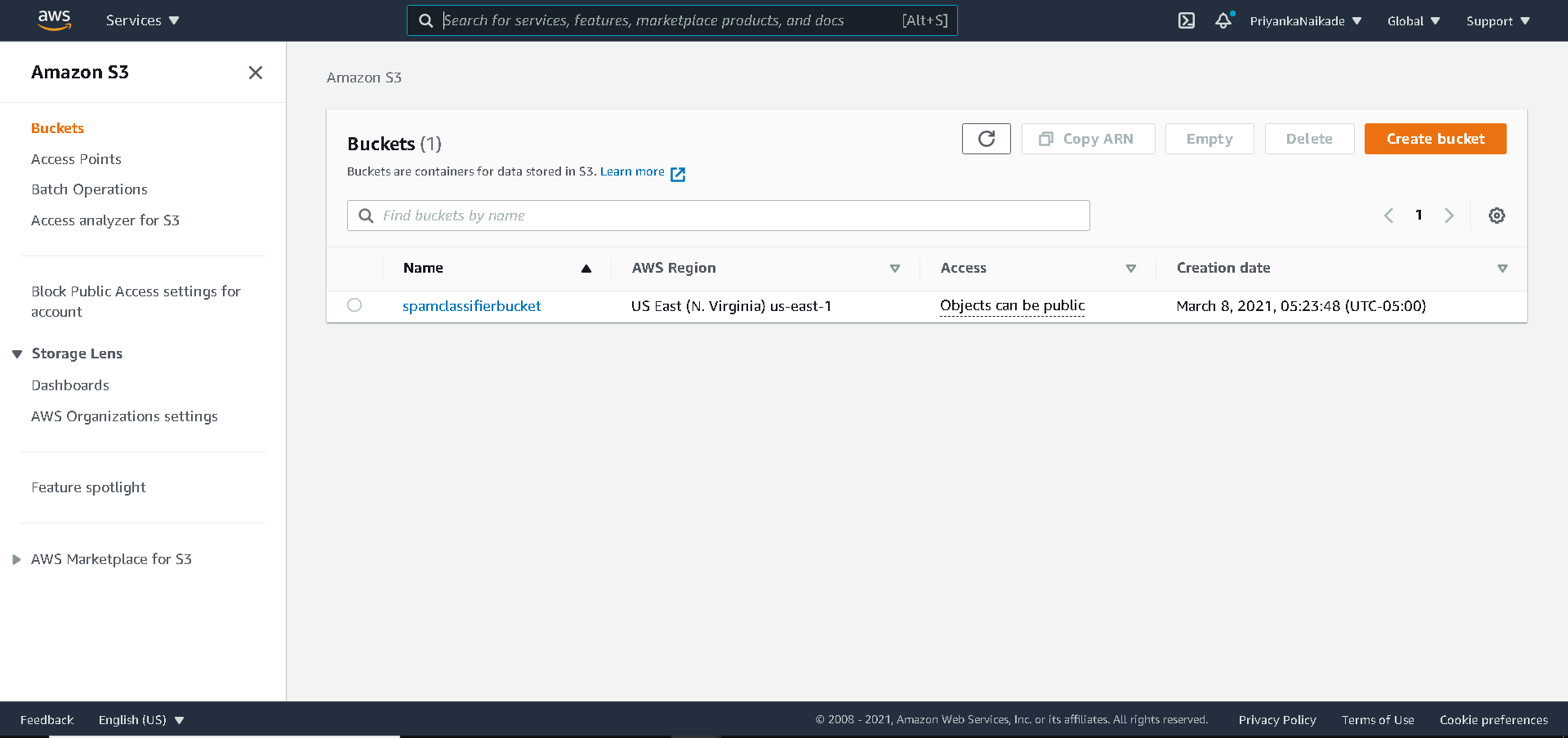


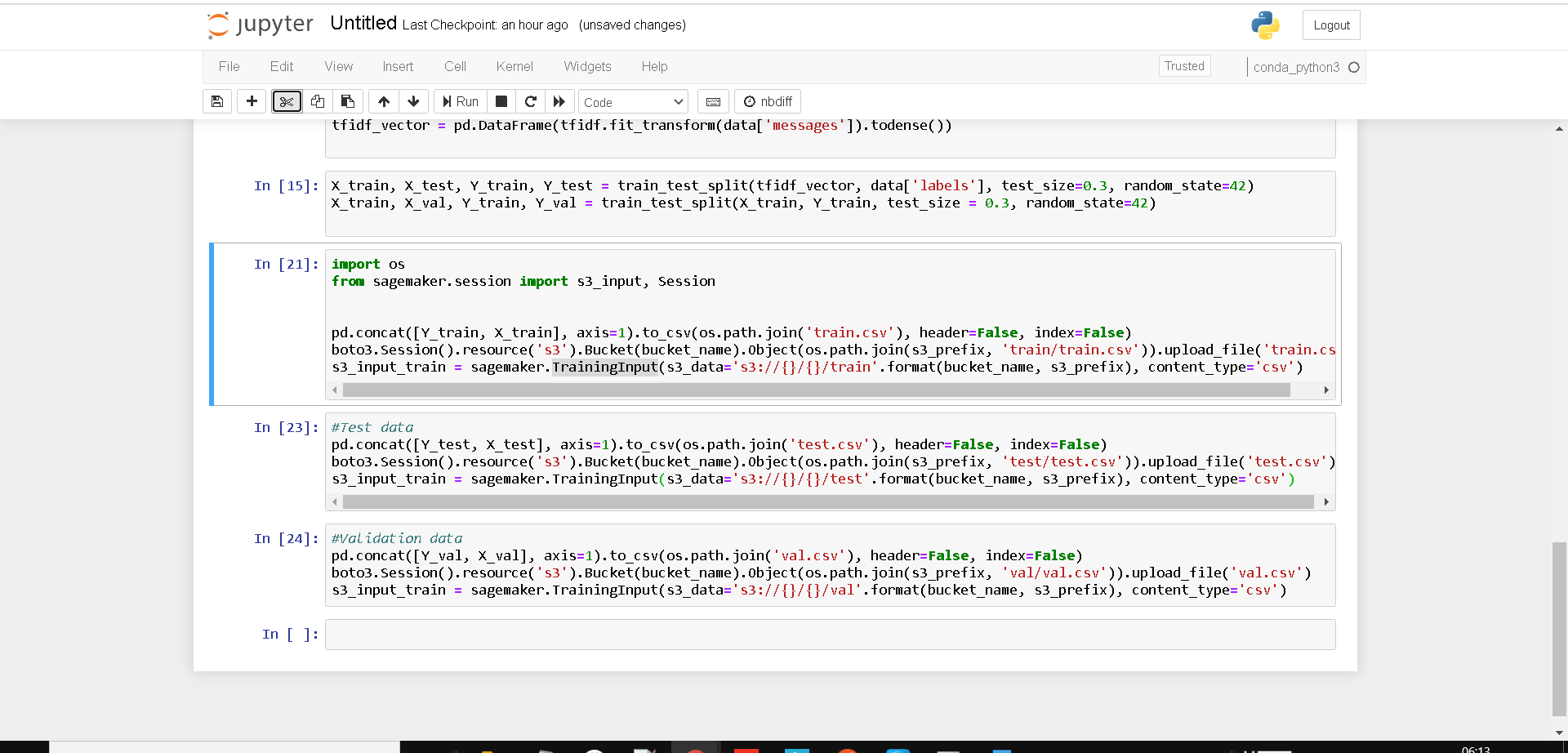
1. **Open Jupyter, New -> select an environment “Conda python3” and develop a machine learning model**

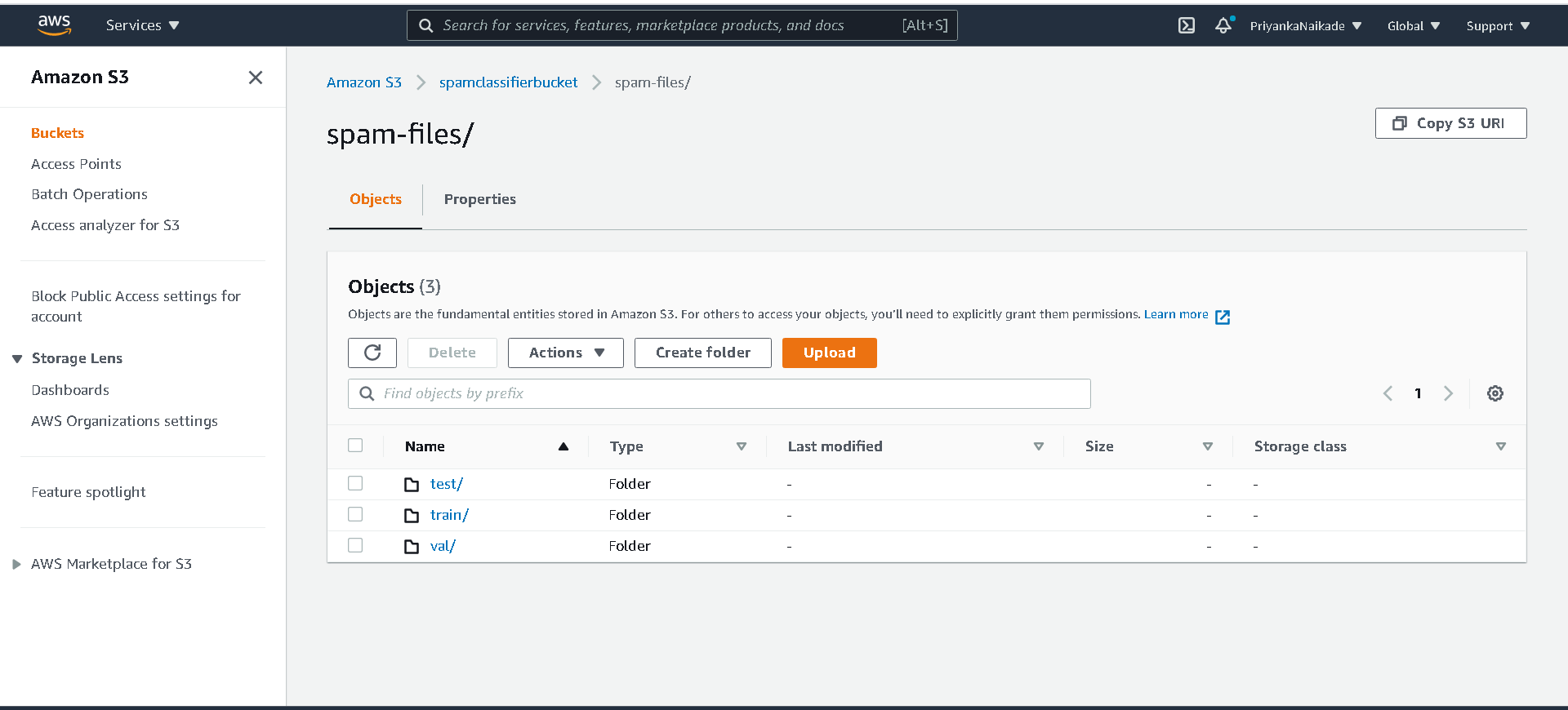


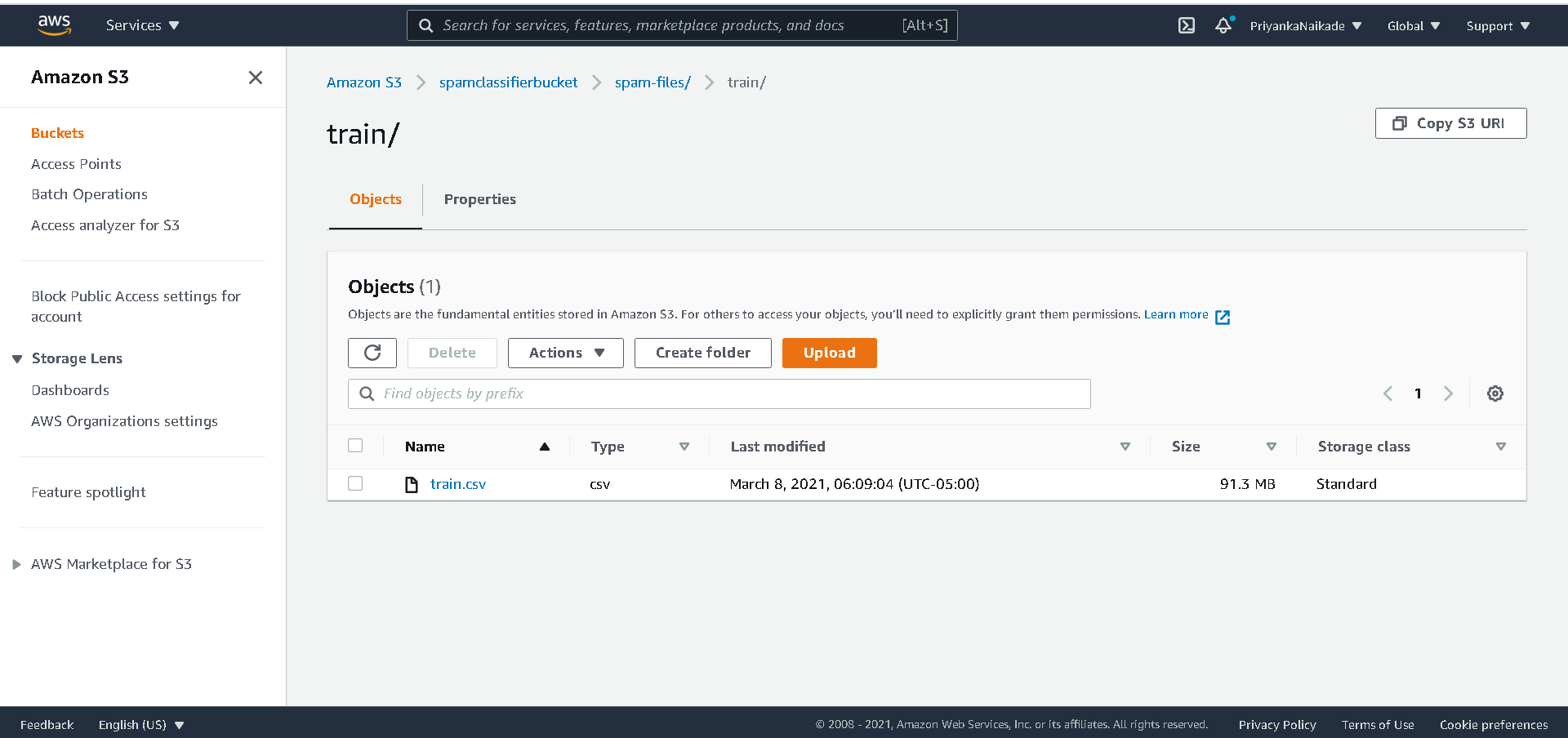




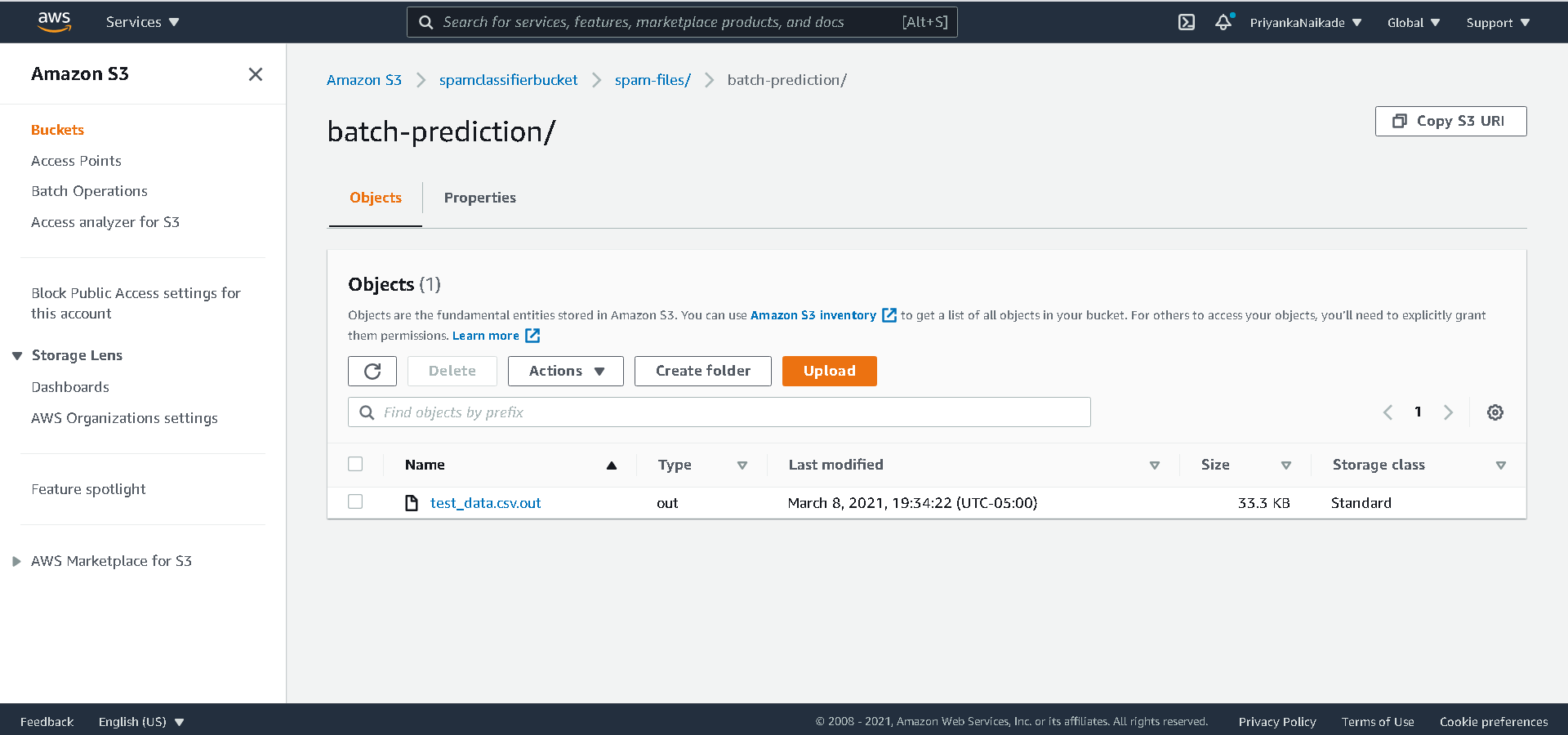


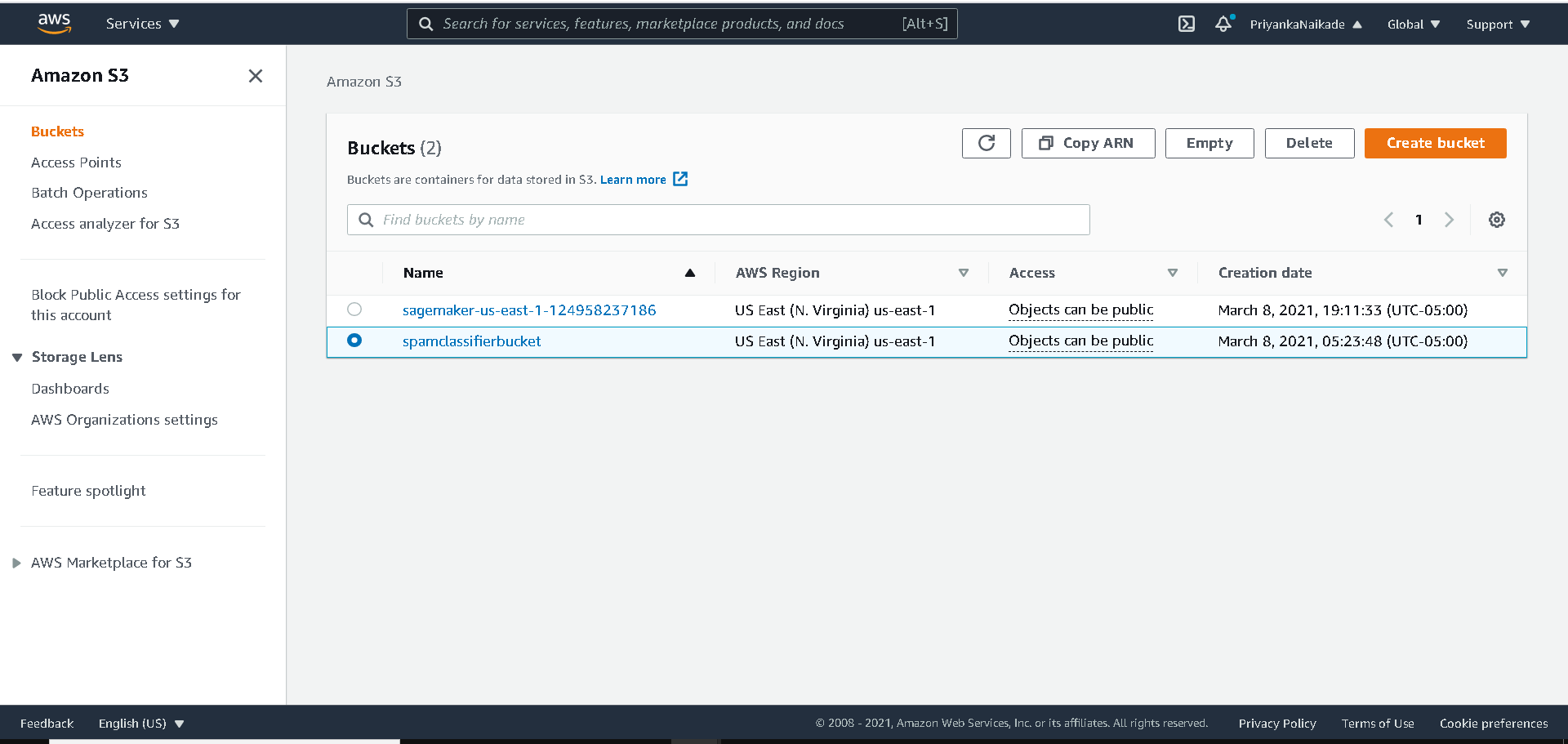






1. **Refer the Jupyter notebook file for further steps**
2. **S3 bucket folders after batch prediction:**





**We moved the test.out.csv file from the first bucket to our spamclassifierbucket and then evaluated the model predictions.**

1. **Clean up**

**Endpoint, Endpoint configurations, Notebook instances, Model, Batch\_Transform jobs, S3buckets, logs under Cloudwatch**

