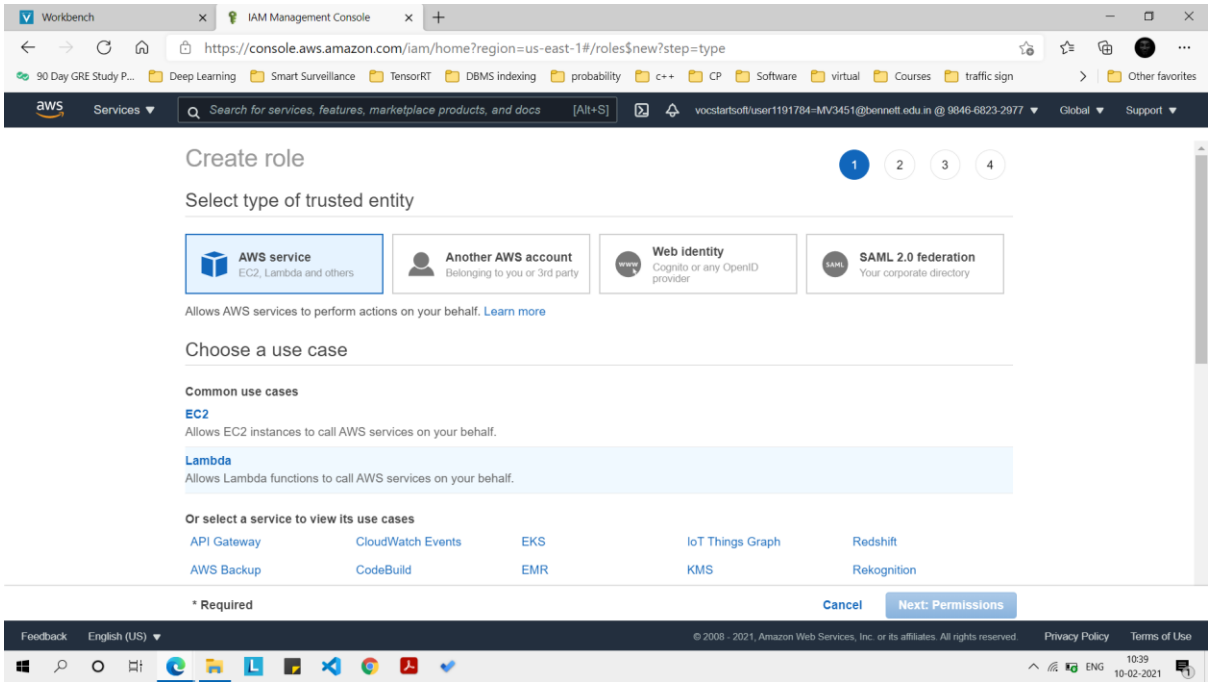
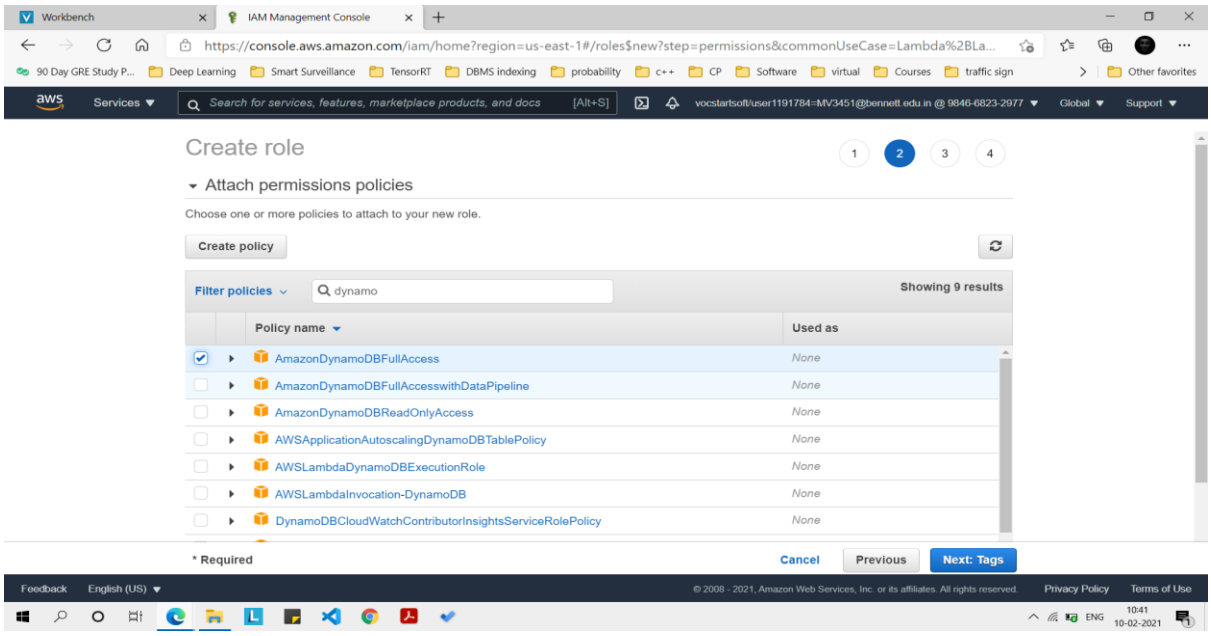
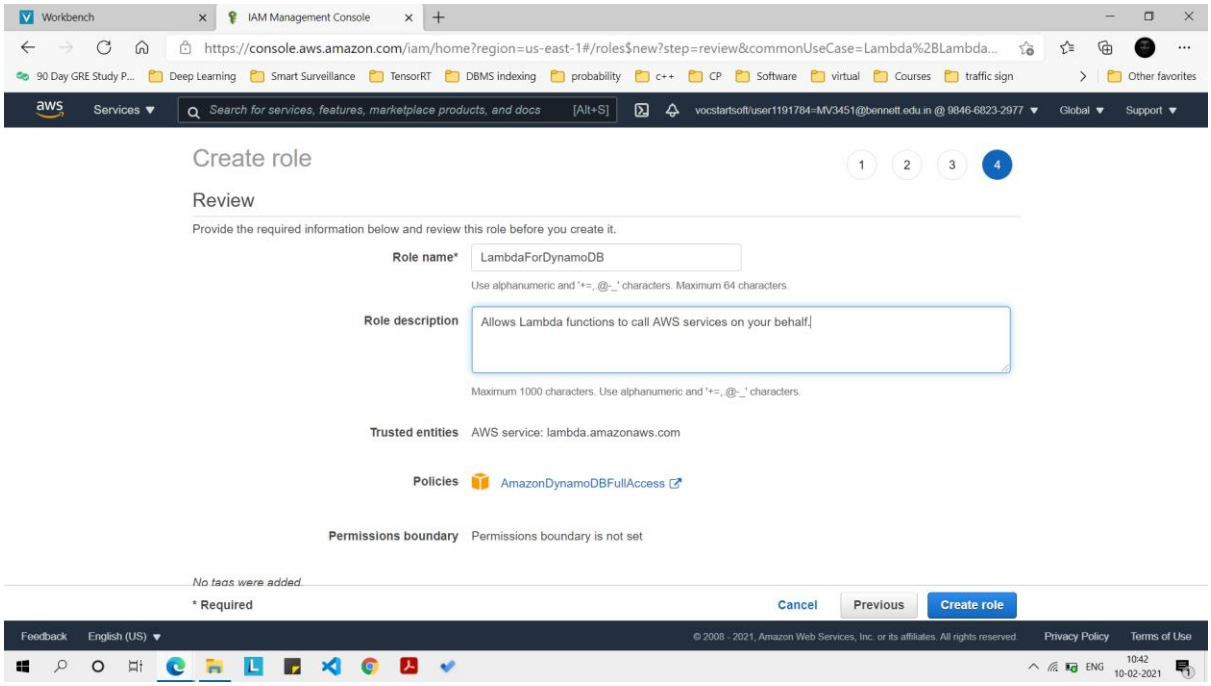
Lab Assignment – 04

Create a Lambda function to trigger S3 bucket objects and store the object details in the DynamoDB Table.

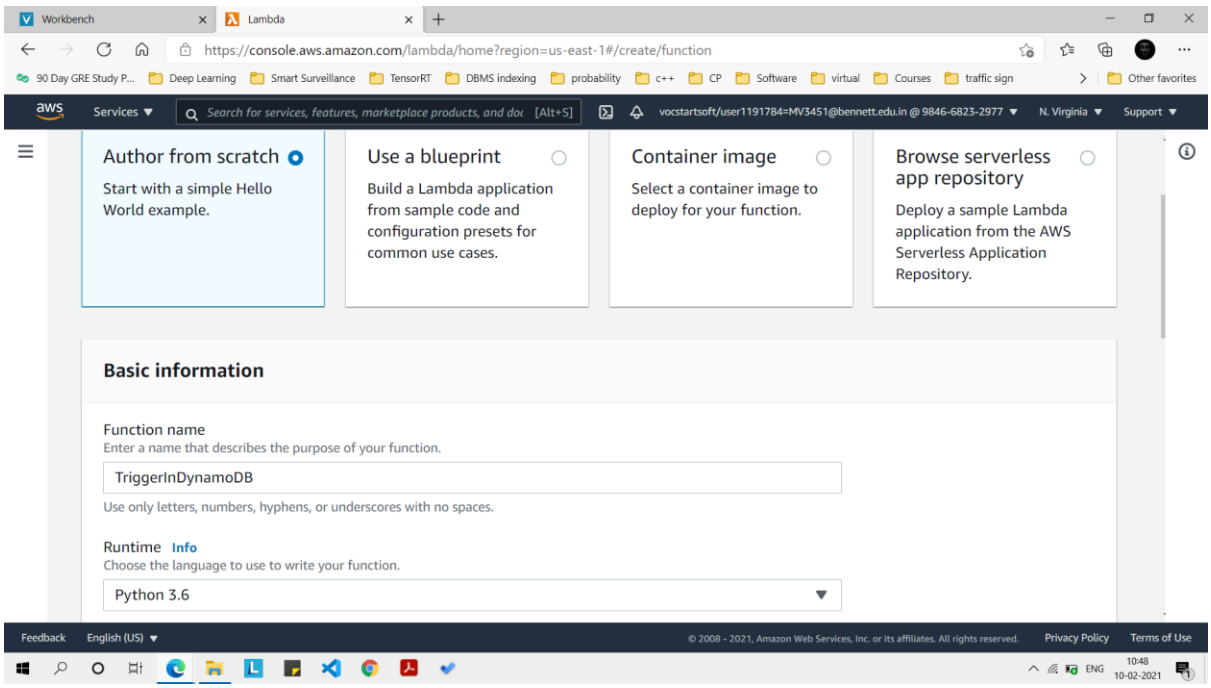
Task – 1: Create the role of Full Dynamo DB service using IAM service.

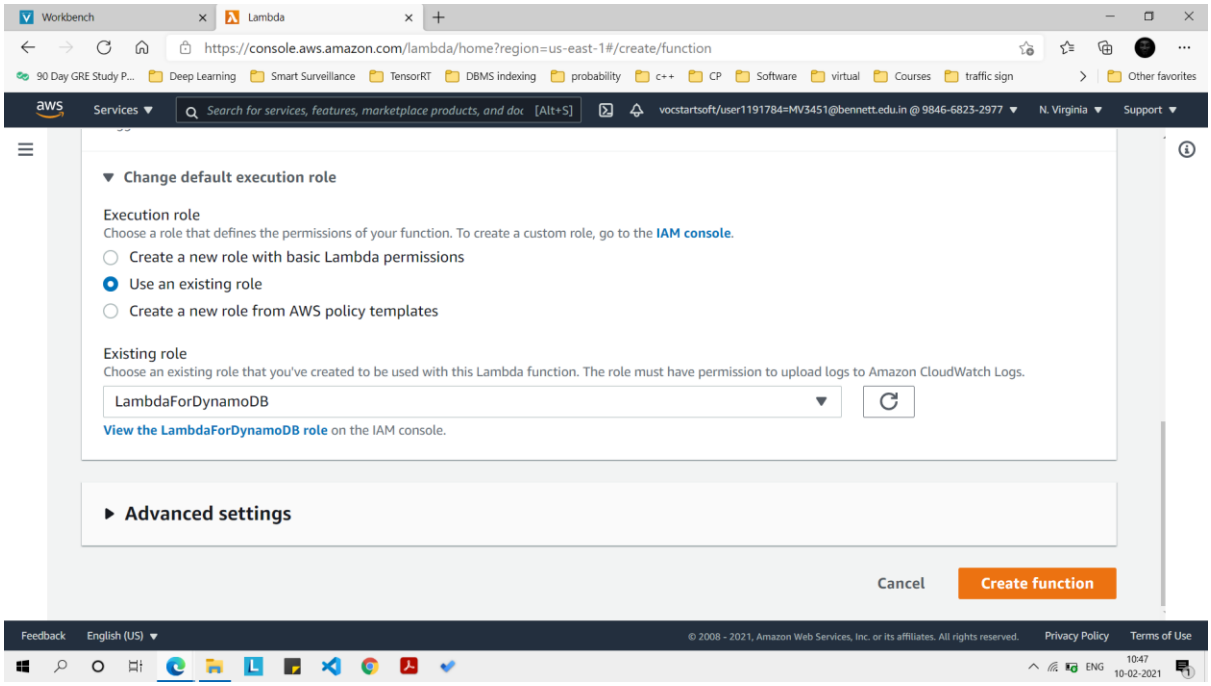






Task – 2: Create Lambda function and configure it with S3 bucket and DynamoDB database.




Workbench
Lambda
https://console.aws.amazon.com/lambda/home?region=us-east-1#/create/function
Change default execution role
Execution role
Choose a role that defines the permissions of your function. To create a custom role, go to the IAM console.
Create a new role with basic Lambda permissions
Use an existing role
Create a new role from AWS policy templates
Existing role
Choose an existing role that you've created to be used with this Lambda function. The role must have permission to upload logs to Amazon CloudWatch Logs.
LambdaForDynamoDB
View the LambdaForDynamoDB role on the IAM console.
Advanced settings
Cancel
Create function
Feedback
English (US)
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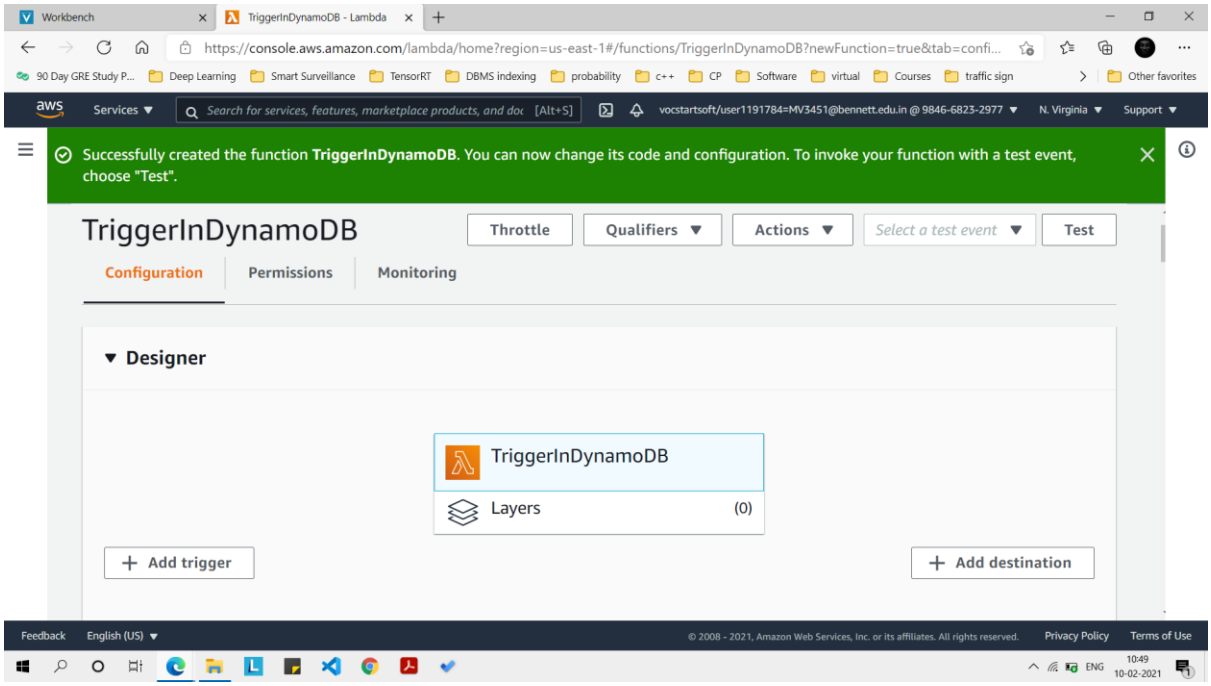
Workbench
TriggerInDynamoDB - Lambda
https://console.aws.amazon.com/lambda/home?region=us-east-1#/functions/TriggerInDynamoDB?newFunction=true&tab=confi...
Successfully created the function TriggerInDynamoDB. You can now change its code and configuration. To invoke your function with a test event, choose "Test".
TriggerInDynamoDB
Throttle
Qualifiers
Actions
Select a test event
Test
Configuration
Permissions
Monitoring
Designer
TriggerInDynamoDB
Layers
(0)
Add trigger
Add destination
Feedback
English (US)
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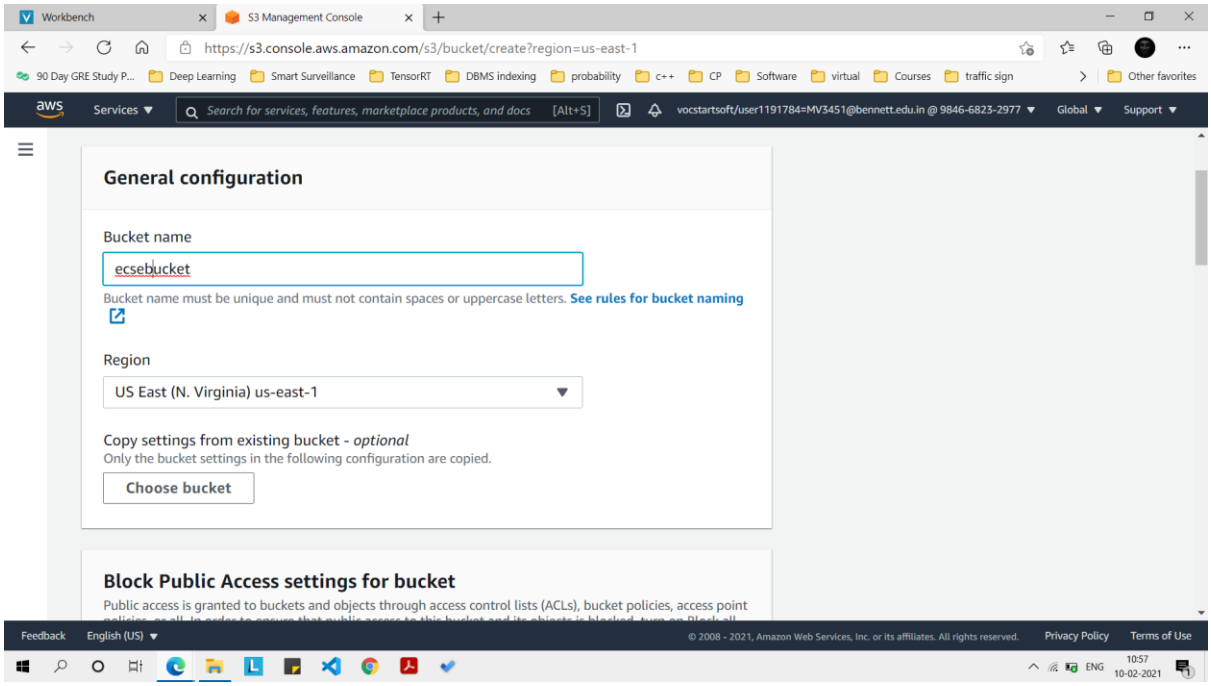
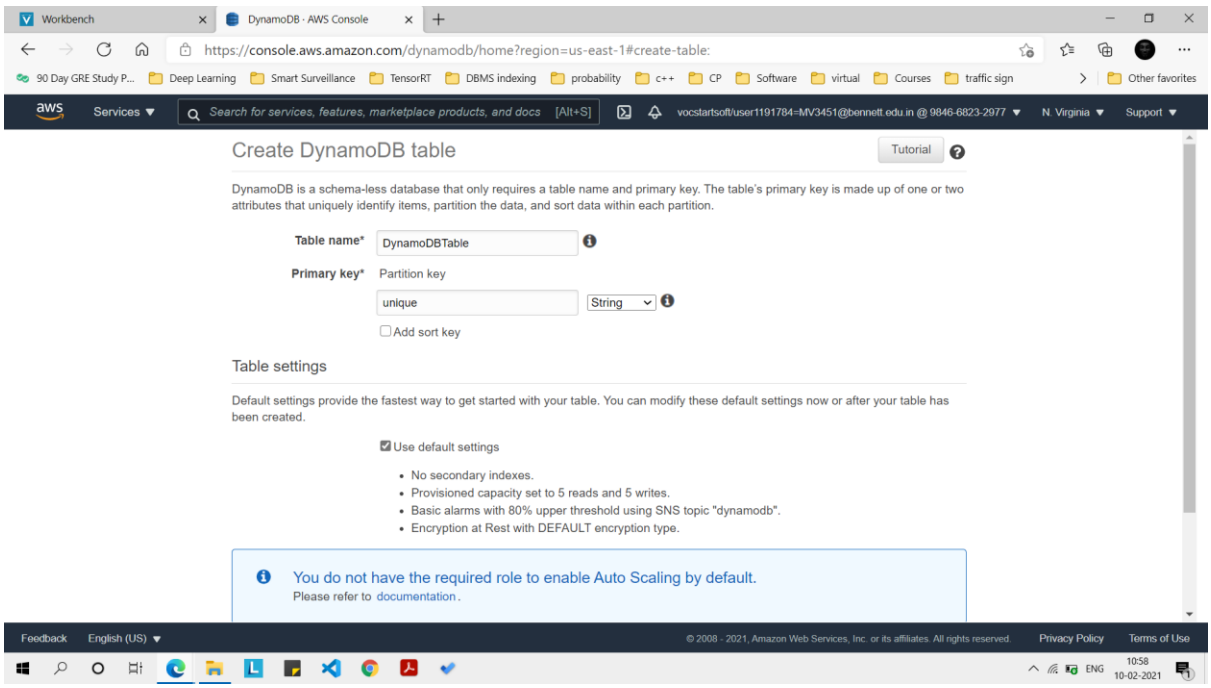
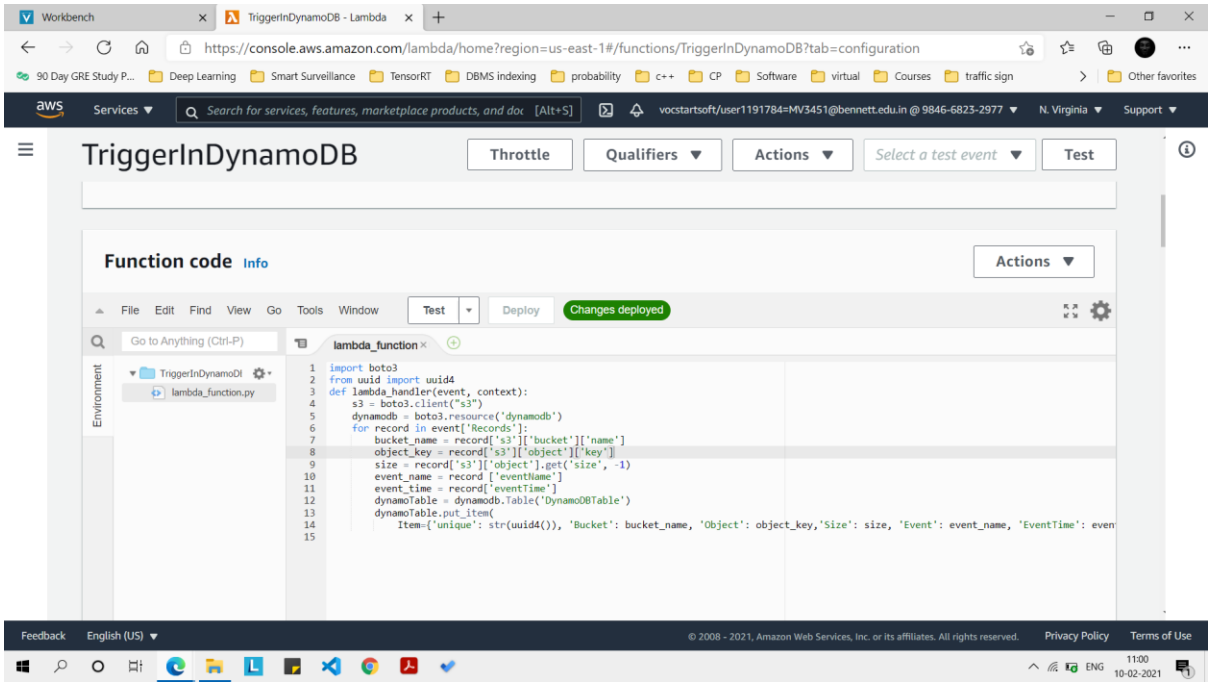
Create S3 Bucket:

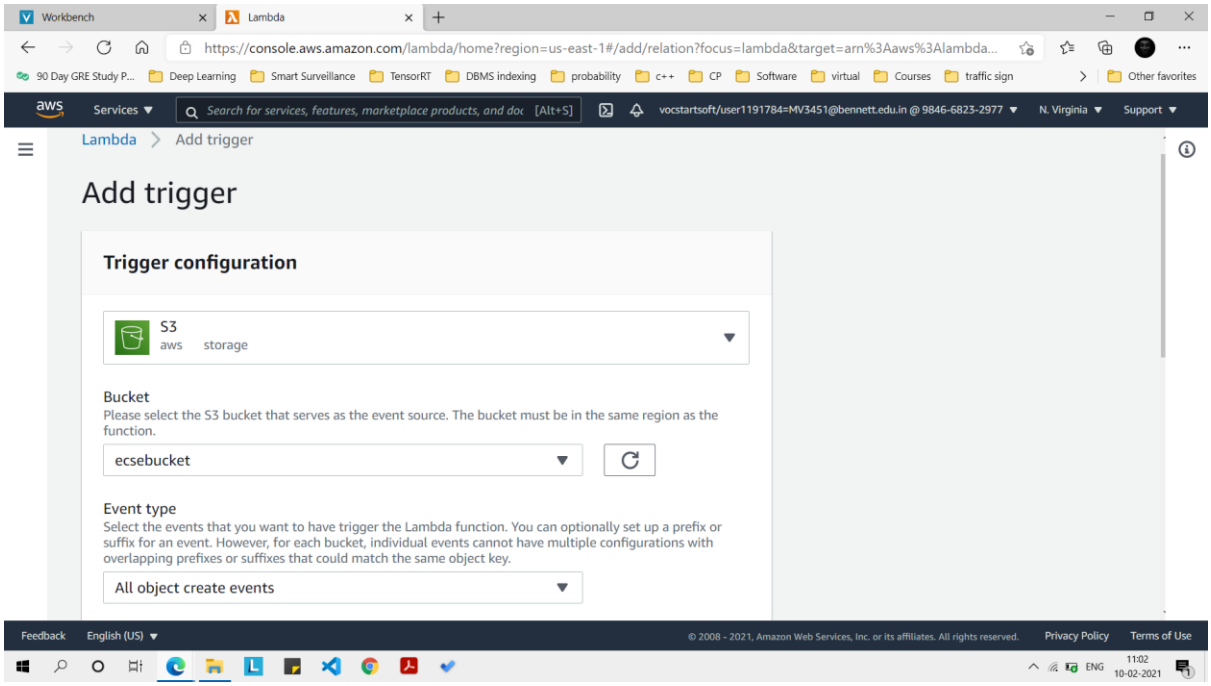


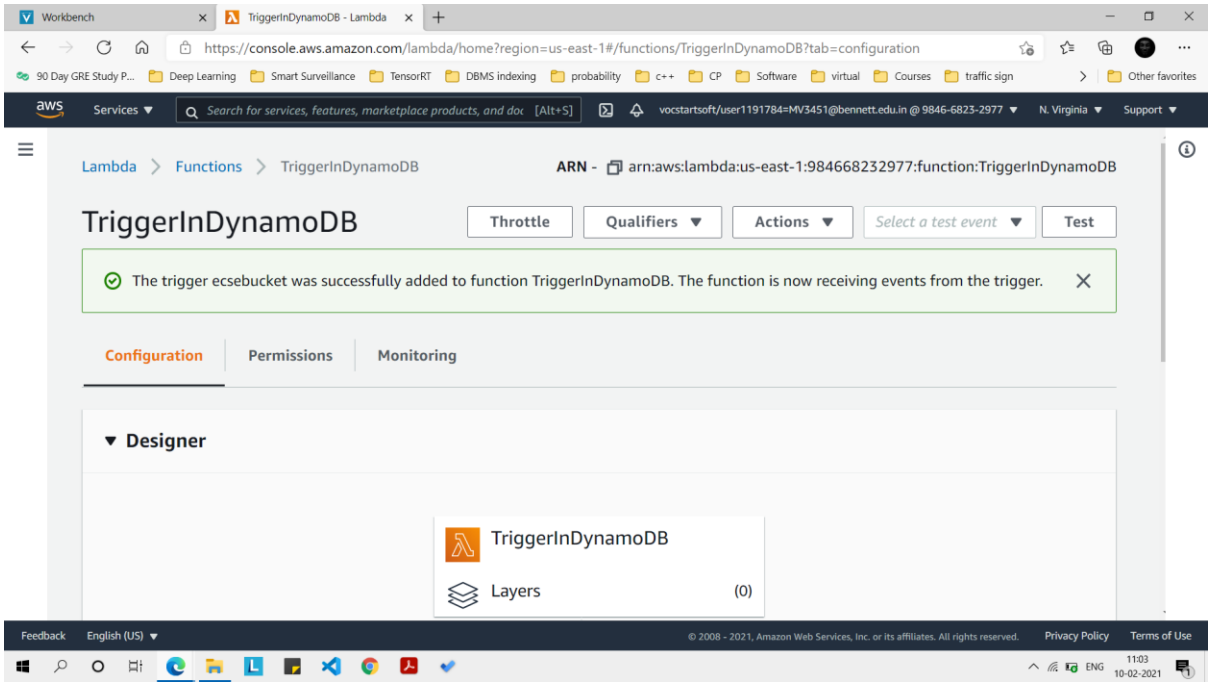
Task – 3: Create a table in DynamoDB and check the details of the items.



Task – 4: Add a trigger for uploading objects in S3 bucket.

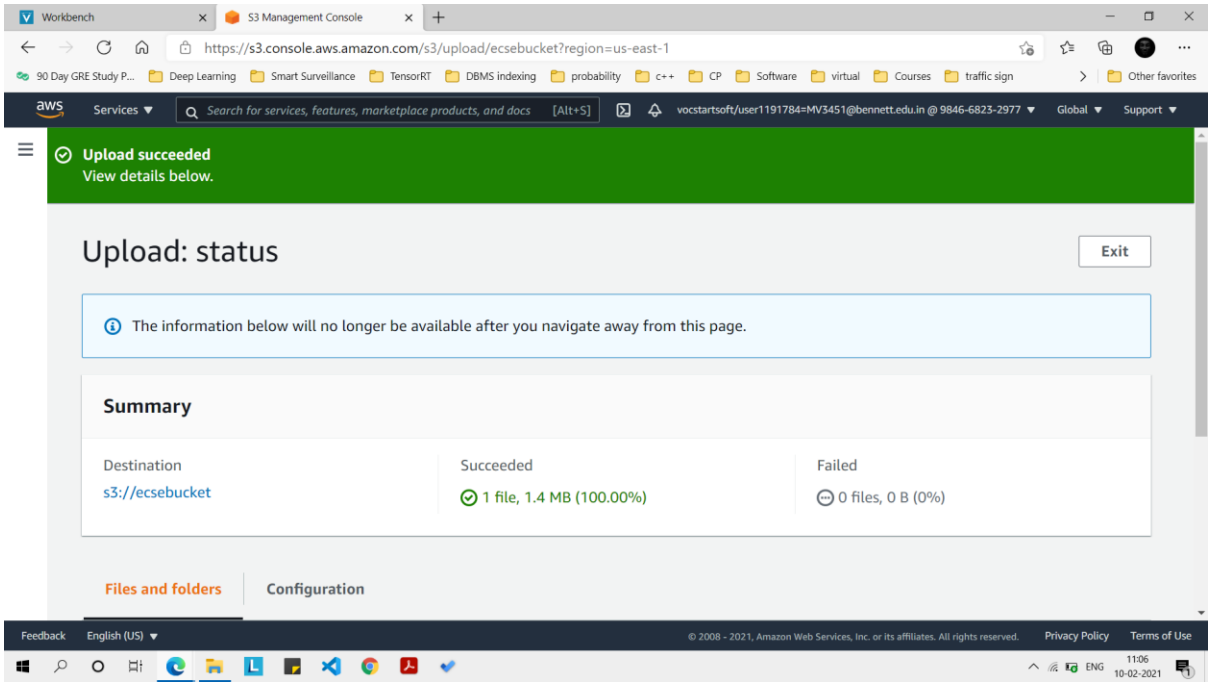






Task – 5: Check the proper working of the Lambda function.

Upload some files in S3 bucket:



We can observe the file upload details are stored in the DynamoDB Table indicating successful working of the Trigger.