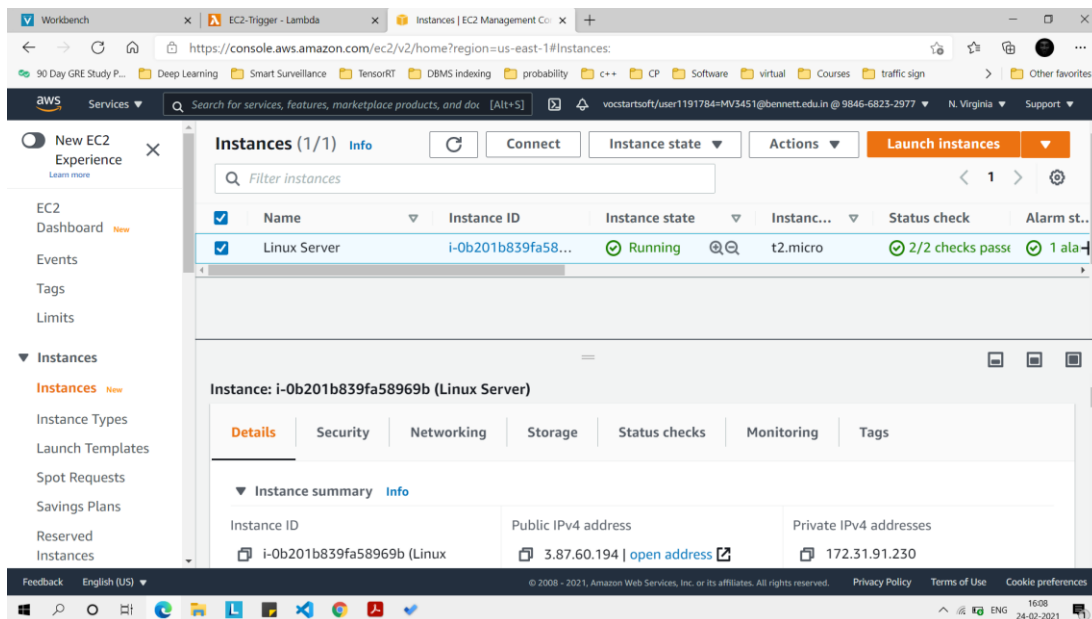


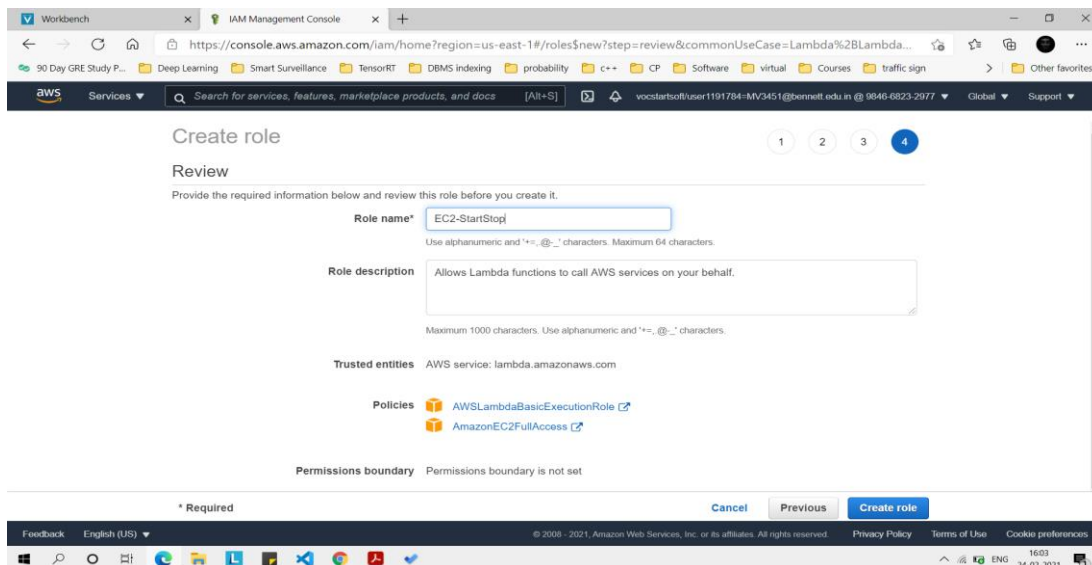
## Lab Assignment – 06

### Part-1: Start / Stop EC2 instances using AWS Lambda and CloudWatch Events Scheduler

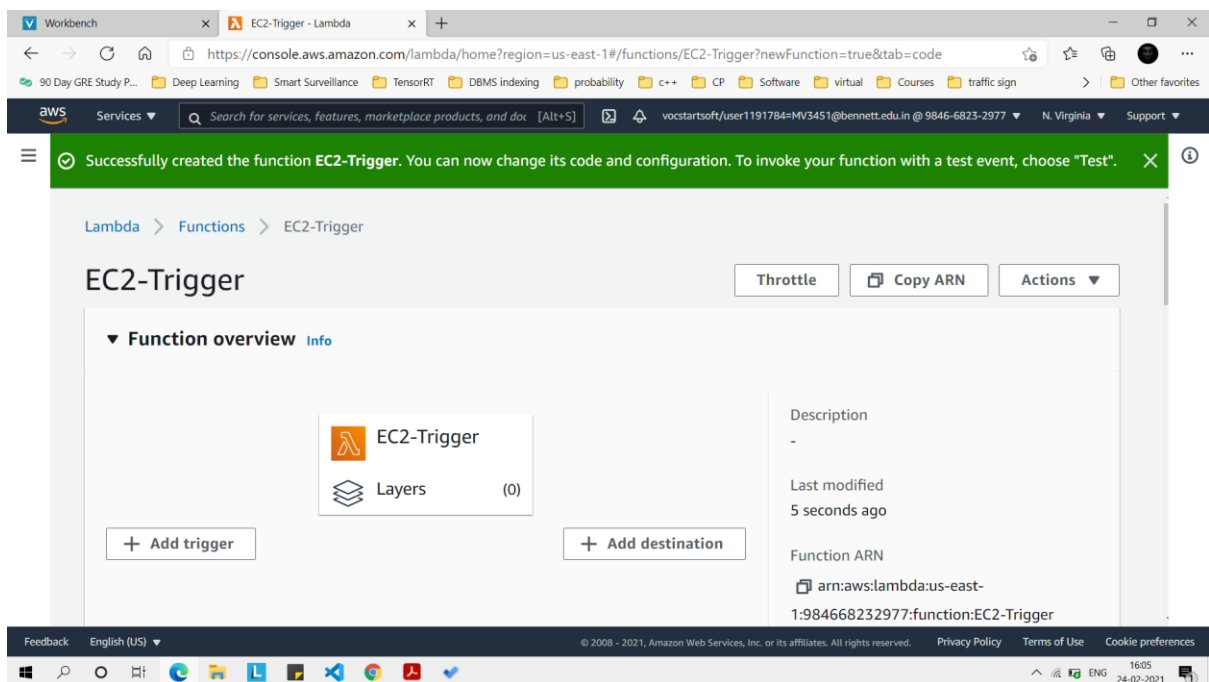
#### Task-1: Create 1 Linux instance.



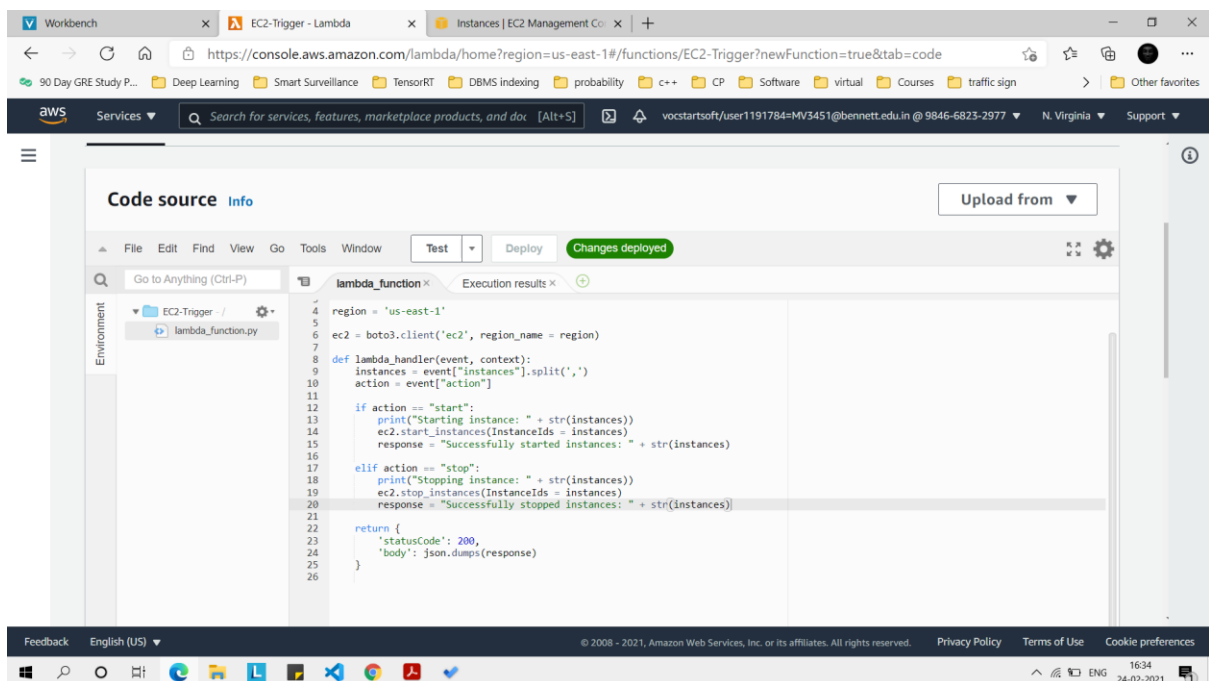
#### Task-2: Open IAM service and create role to access Lambda Services.



## Task-3: Open Lambda services and create a new lambda function.



## Task-4: Save the code and select a test event and configure the test event.

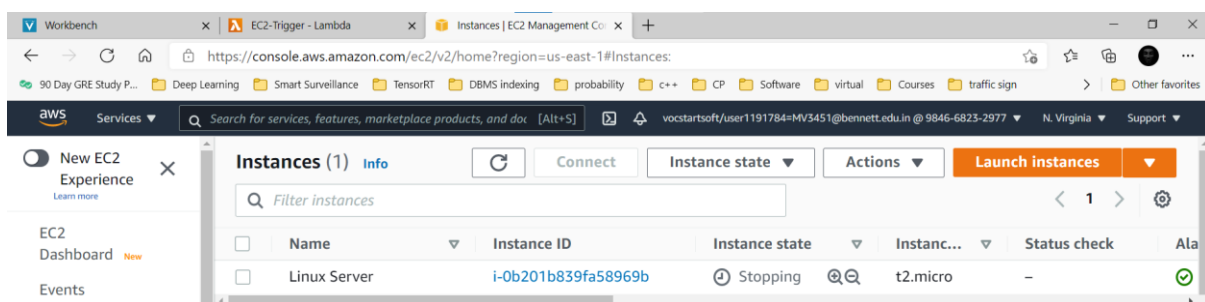
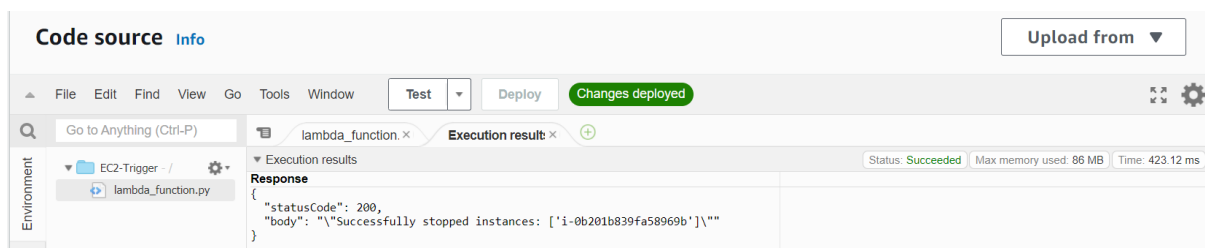
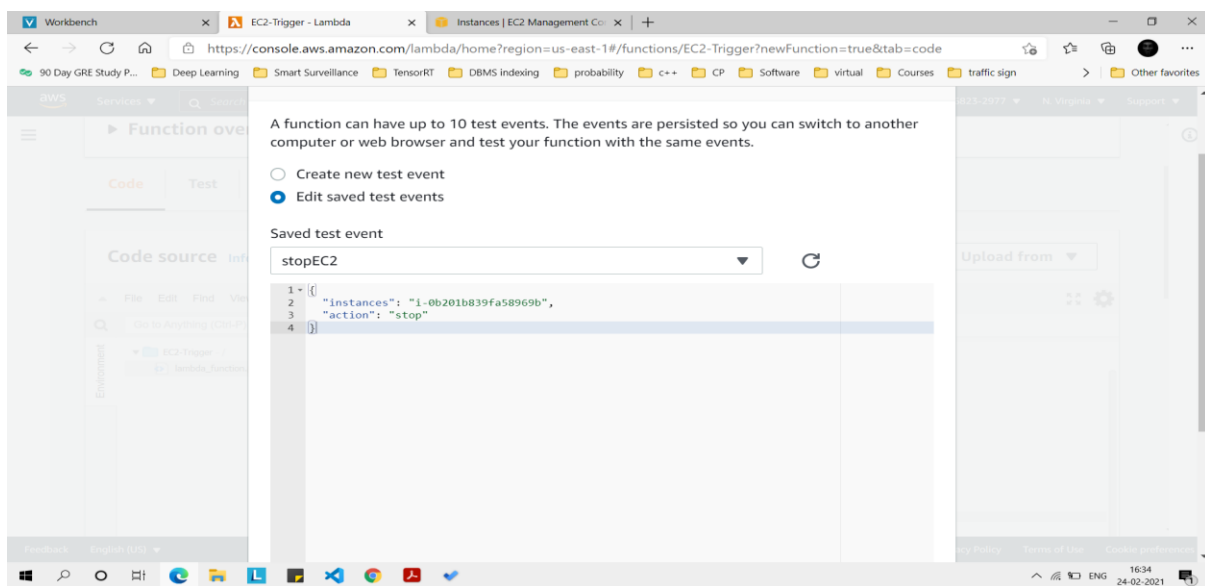


Task-5: Test the EC2 events by clicking on start EC2 event and stop EC2 event.

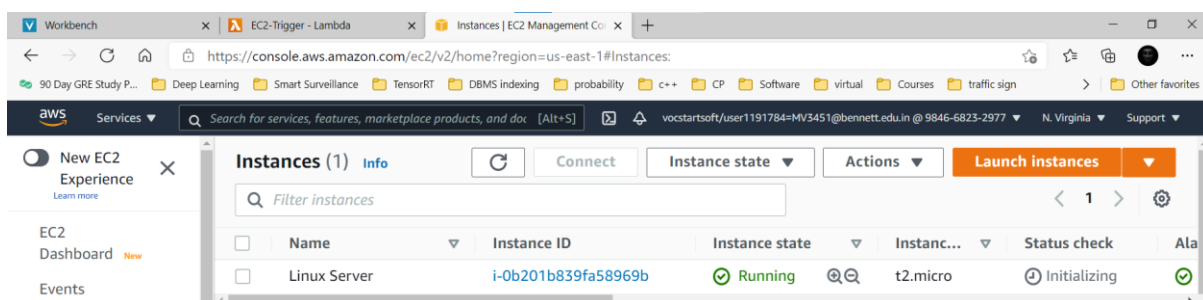
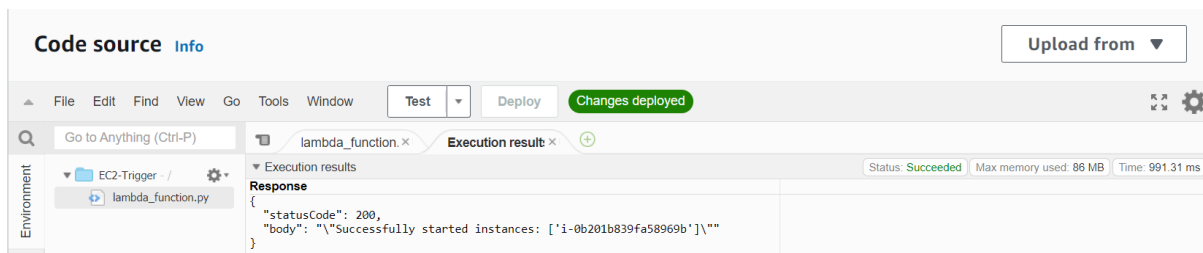
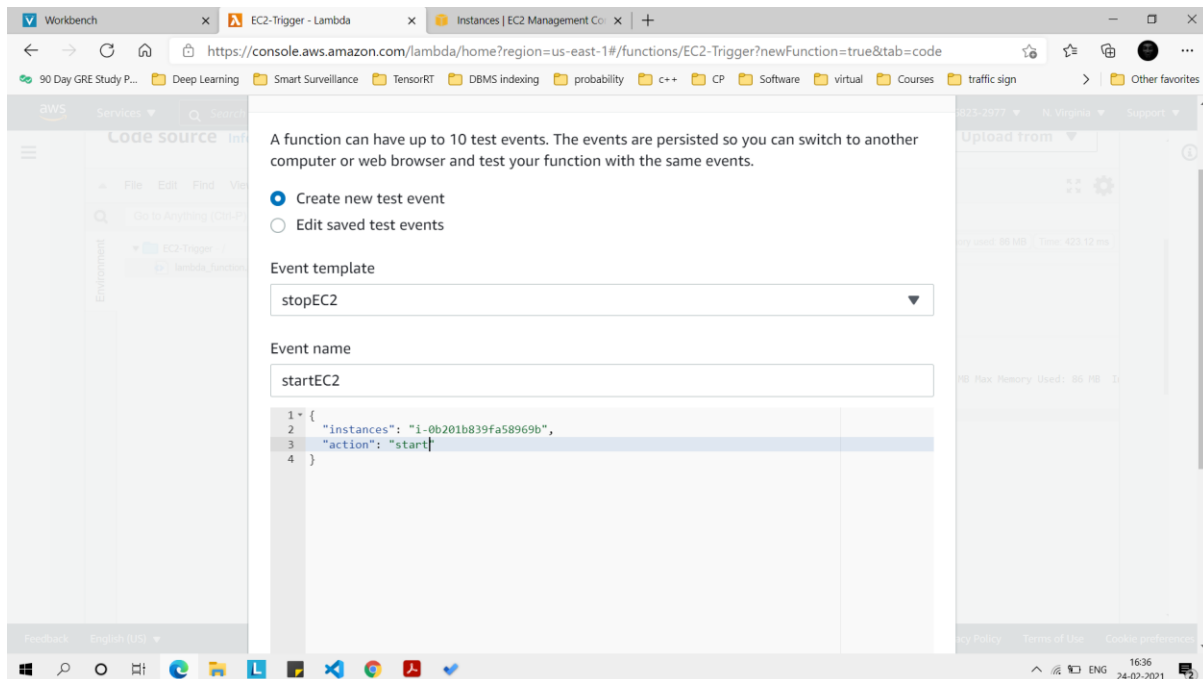
And

Task-6: Provide the execution details of the lambda function

Stopping instance:



## Starting instance:



## Task-7: Select the event bridge and click on the create rule to trigger the lambda function.

The screenshot shows the AWS Management Console interface for creating a new EventBridge rule. The browser tabs at the top include 'Workbench', 'EC2-Trigger - Lambda', 'Amazon EventBridge', and 'Instances | EC2 Management Co...'. The URL in the address bar is <https://console.aws.amazon.com/events/home?region=us-east-1#/rules/create>.

**Create rule**

A rule watches for certain events and then routes them to AWS targets that you choose. You can create a rule that performs an AWS action automatically when another AWS action happens, or a rule that performs an AWS action regularly on a set schedule.

**Name and description**

**Name**  
  
 Maximum of 64 characters consisting of lower/upper case letters, -, \_, .

**Description - optional**

**Define pattern**

Build or customize an Event Pattern or set a Schedule to invoke Targets.

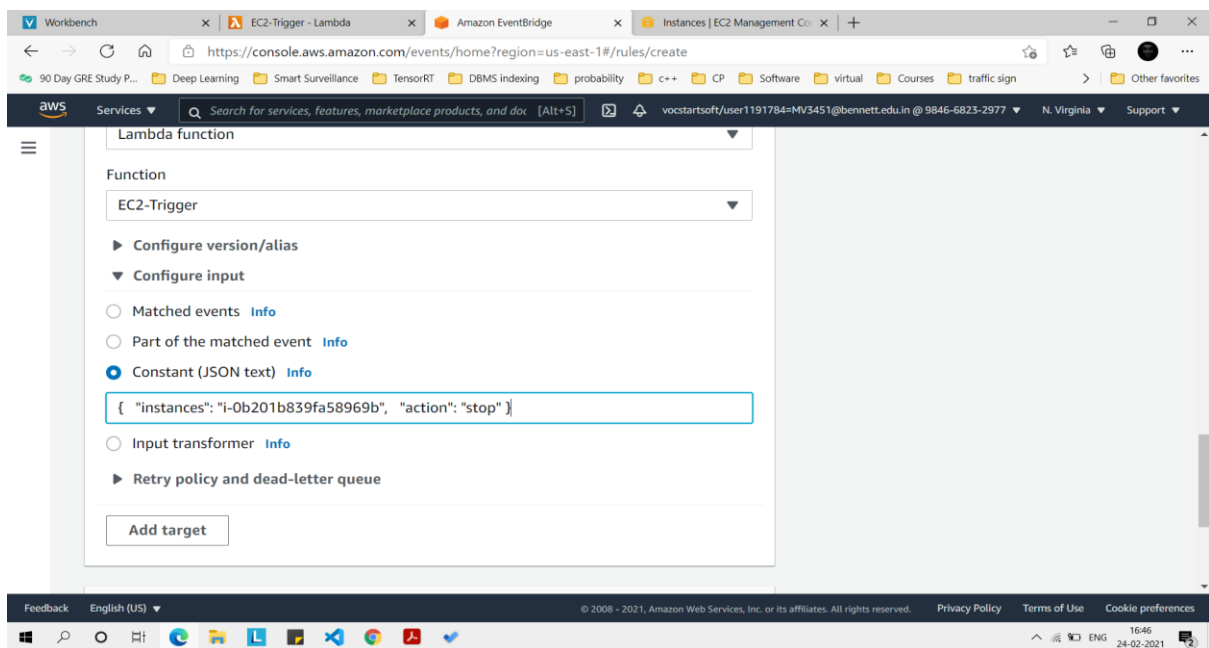
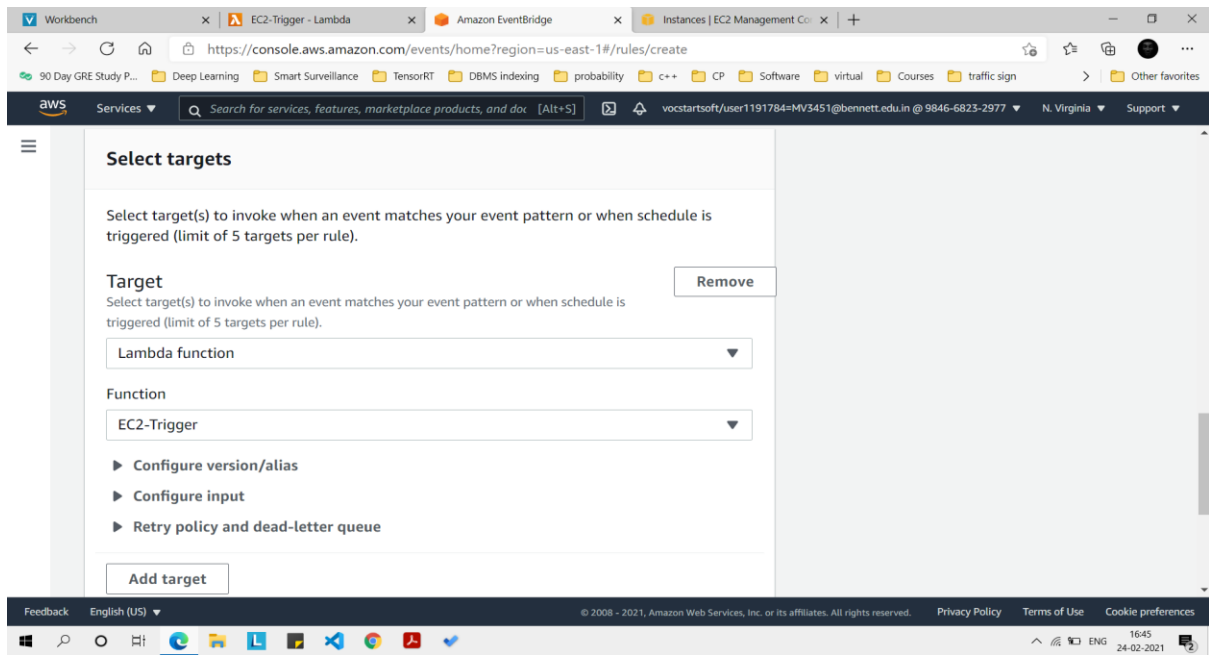
☐ Event pattern [Info](#)  
 Build a pattern to match events

☒ Schedule [Info](#)  
 Invoke your targets on a schedule

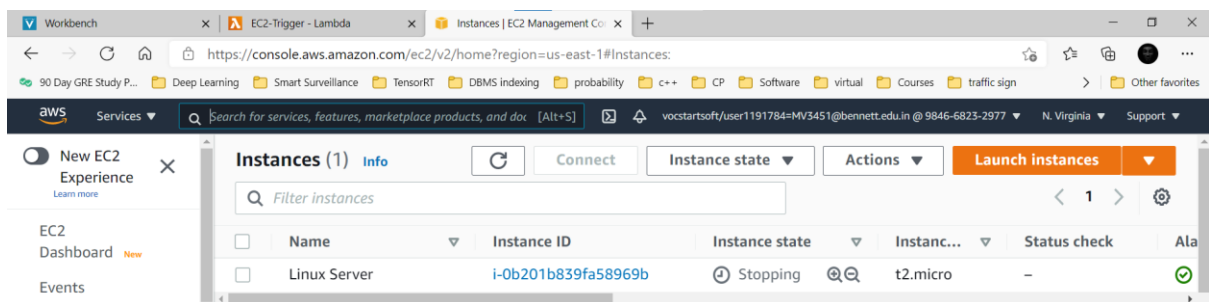
☐ Fixed rate every

☒ Cron expression  
 CRON expression have six required fields, which are separated by white space. [Learn more about CRON expression.](#) [Enter CRON expression below to see the next 10 trigger date\(s\).](#)

[▶ Sample event\(s\)](#)

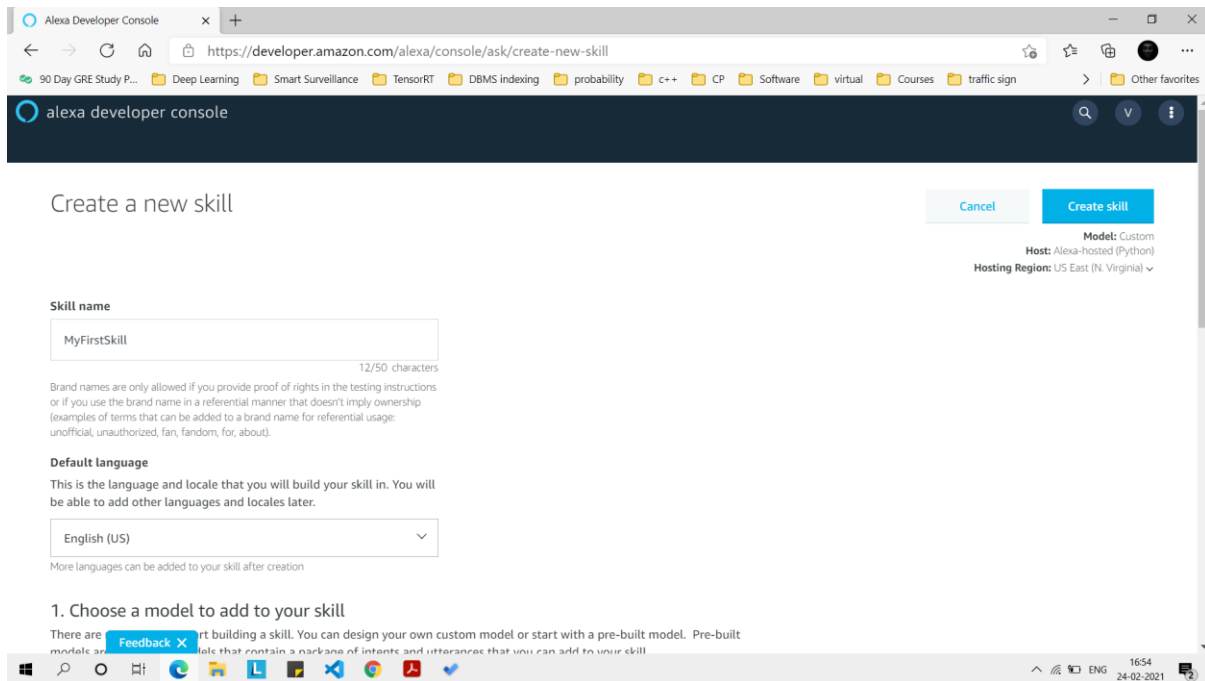


The instance was stopped at the scheduled time.

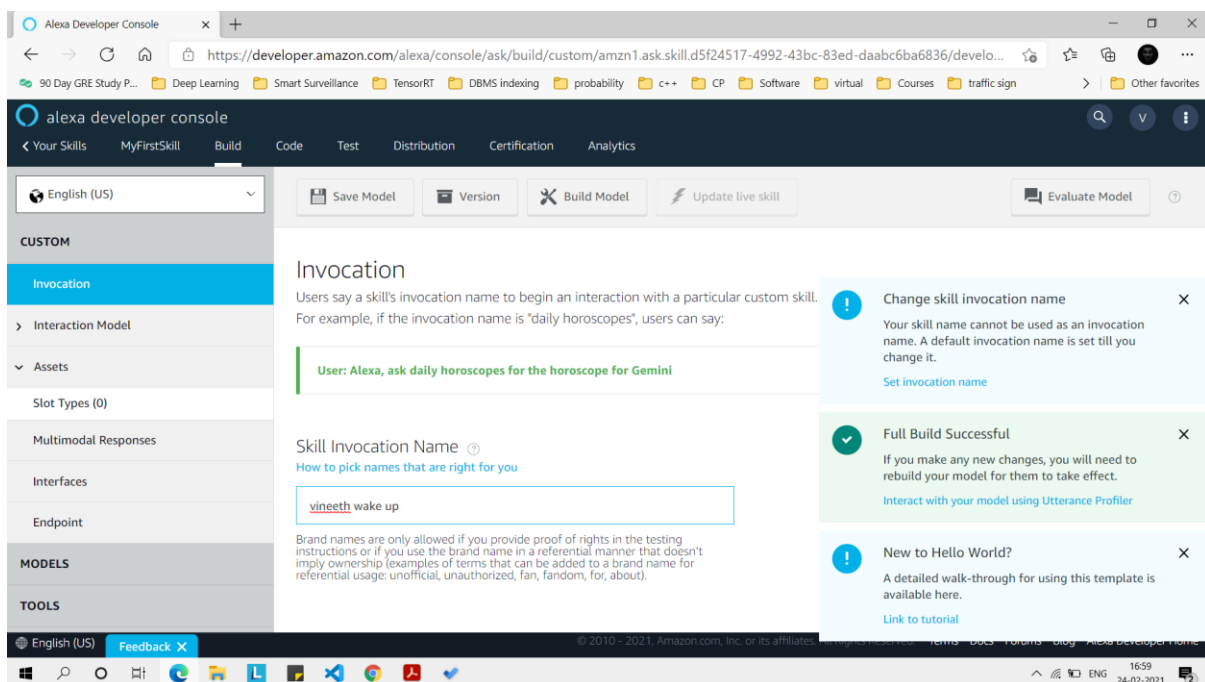


## Part-2: Create Alexa Skills with AWS Lambda using Python

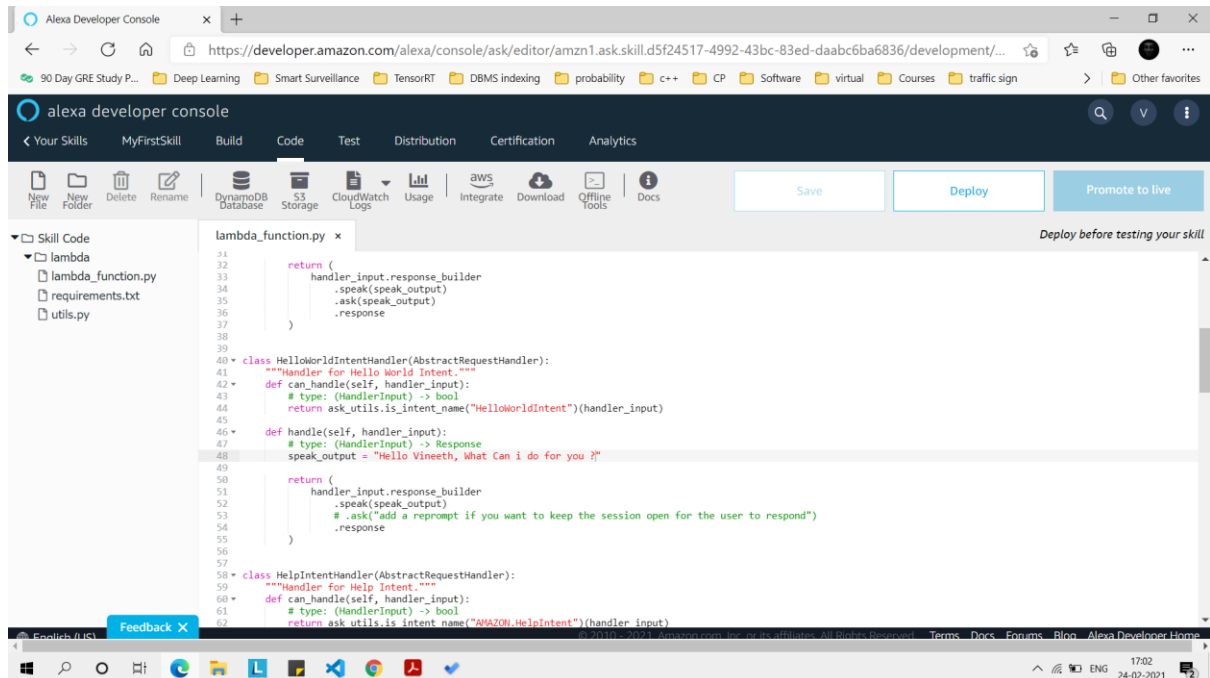
### Task-1: Open Alexa Developer console and create a new skill.



### Task-2: Build your skill.



## Task 3: Now go to the code and type your message in the HelloWorldIntentHandler



## Task-4: Go to the test tab. Type the invocation name. Your message will be displayed and will be converted into voice message.

