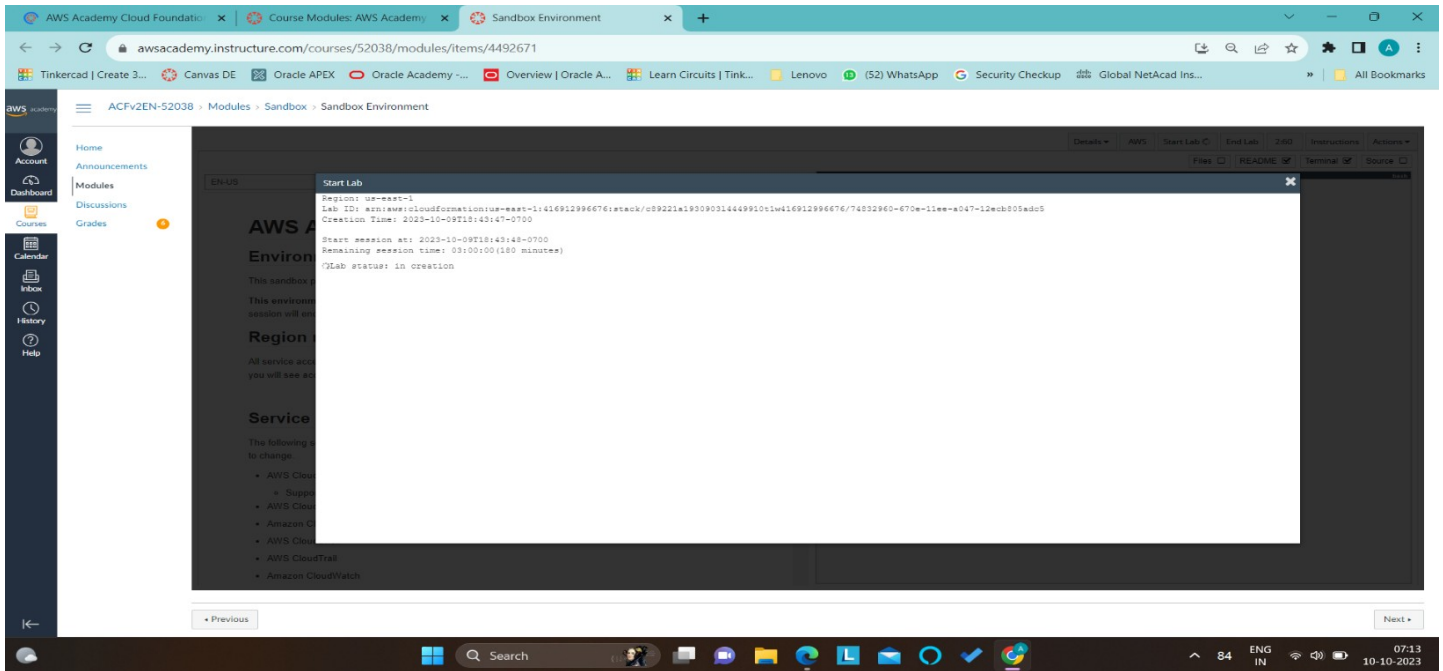
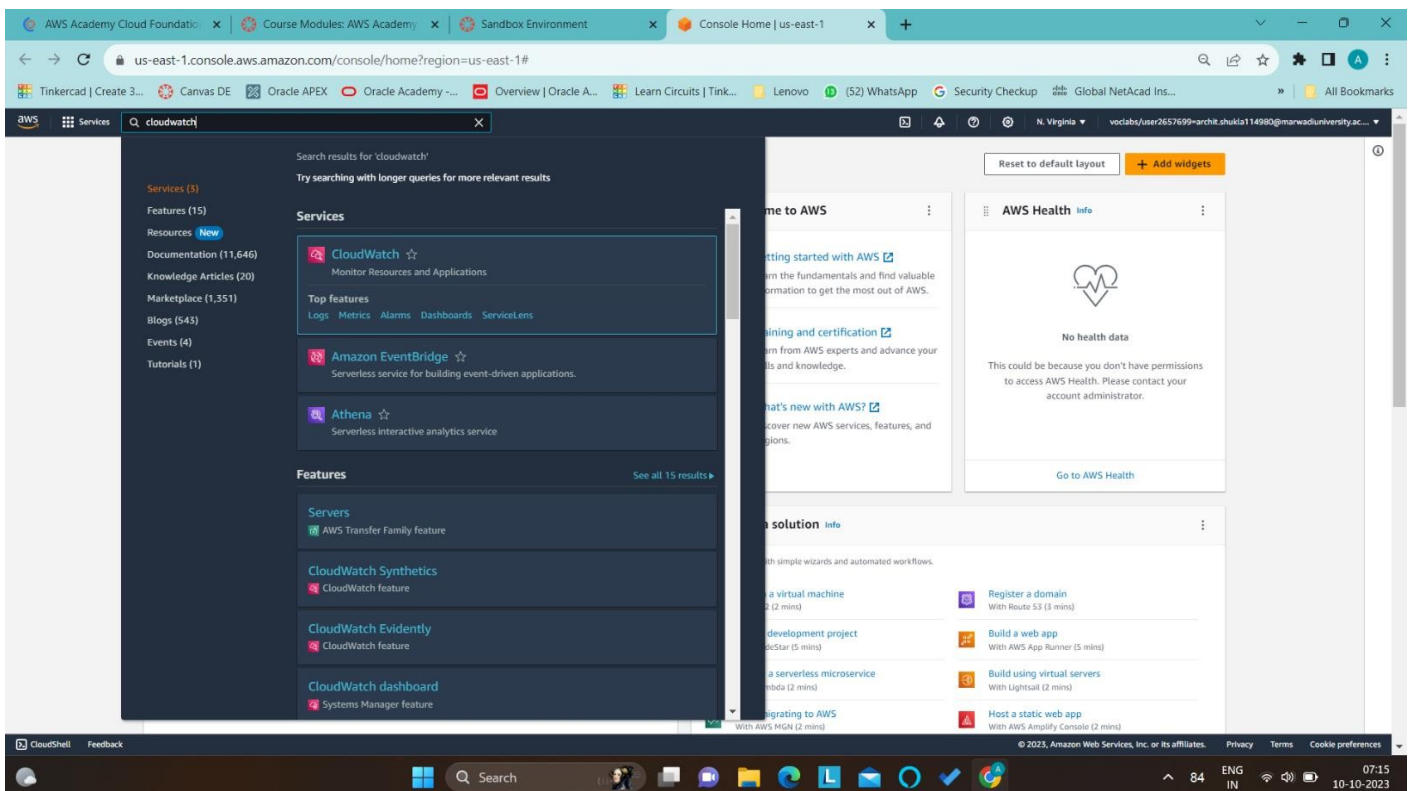


Practical 14: Cloud monitoring and management tools -> AWS CloudWatch

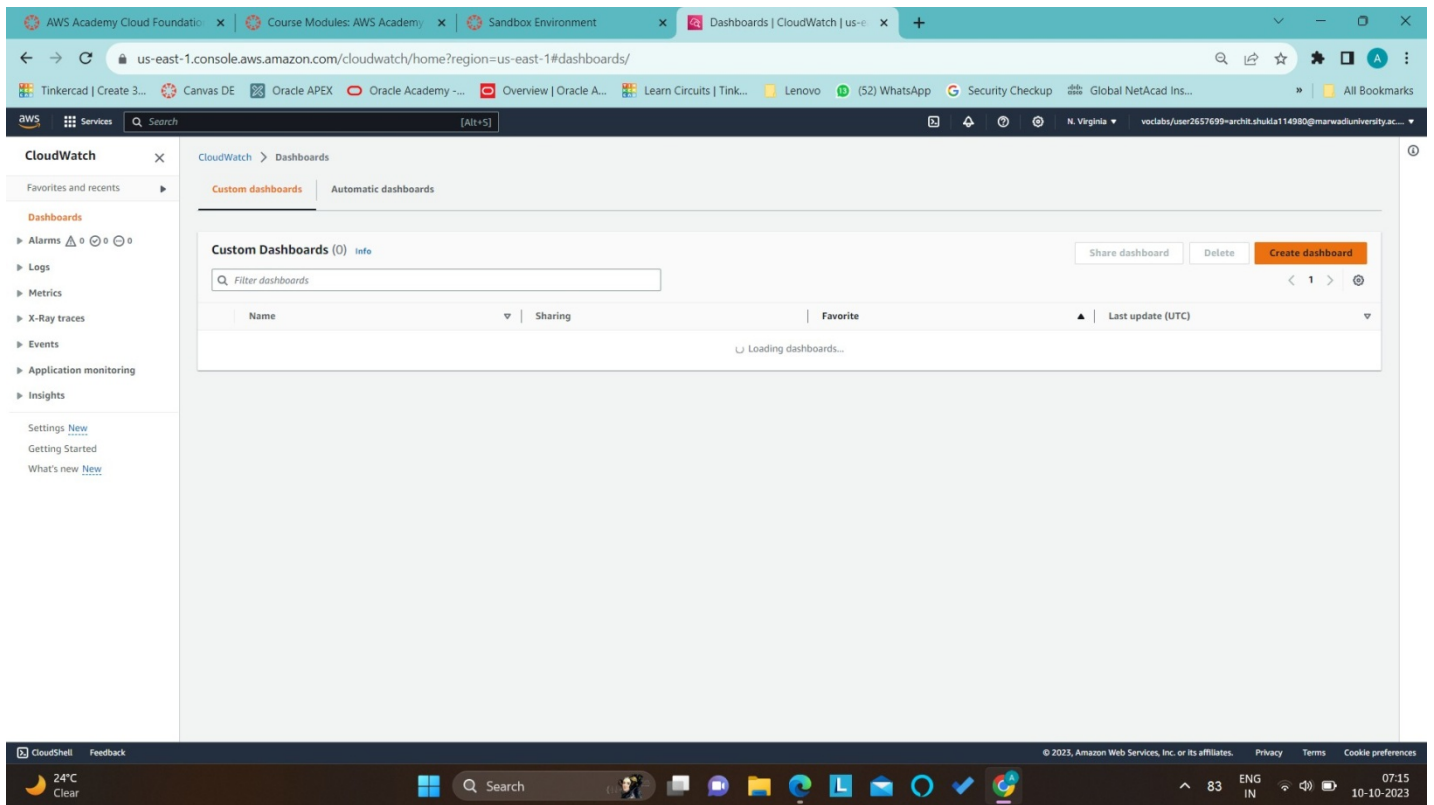
Step 1: Click on start lab.



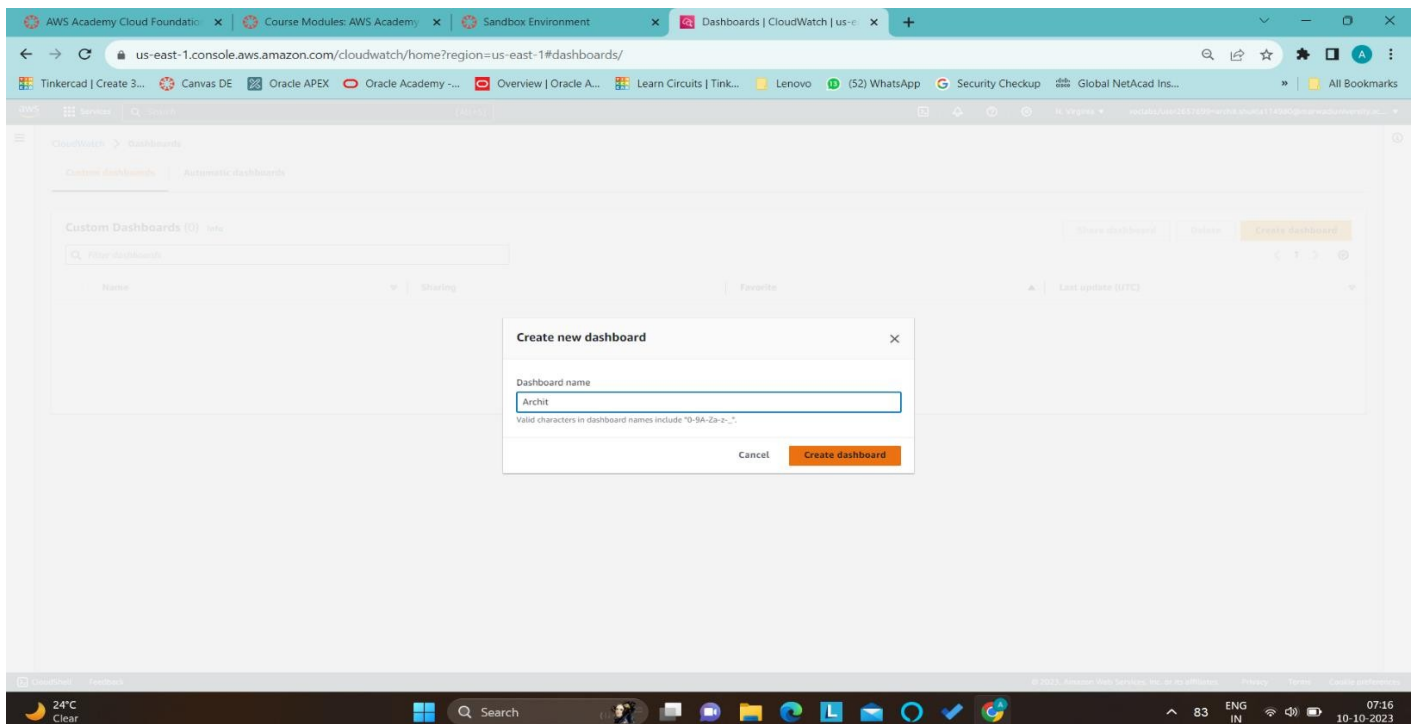
Step 2: Click on services and in that click on CloudWatch.



Step 3: Click on Cloudwatch dashboards and click on create dashboard.



Step 4: Now, Create new dashboard and give name to Archit, and click on create dashboard.



Step 5: Now, click on Line and add widget and click next.

Step 6: Now click on add math and select SQL query and select Top 10 EC2 instances by CPU.

Step 7: Now click on Add query and select EC2 and select Top 10 instances by highest CPU utilization.

The screenshot shows the AWS CloudWatch console in the 'us-east-1' region. The 'Add metric graph' interface is displayed. The 'Graphed metrics (1)' tab is selected, and a dropdown menu is open, showing the selection of 'EC2' and 'Top 10 instances by highest CPU utilization'. The graph area shows a line chart with a single data series labeled 'Query1'. The x-axis represents time, and the y-axis represents CPU utilization. The table below the graph shows the details of the selected metric.

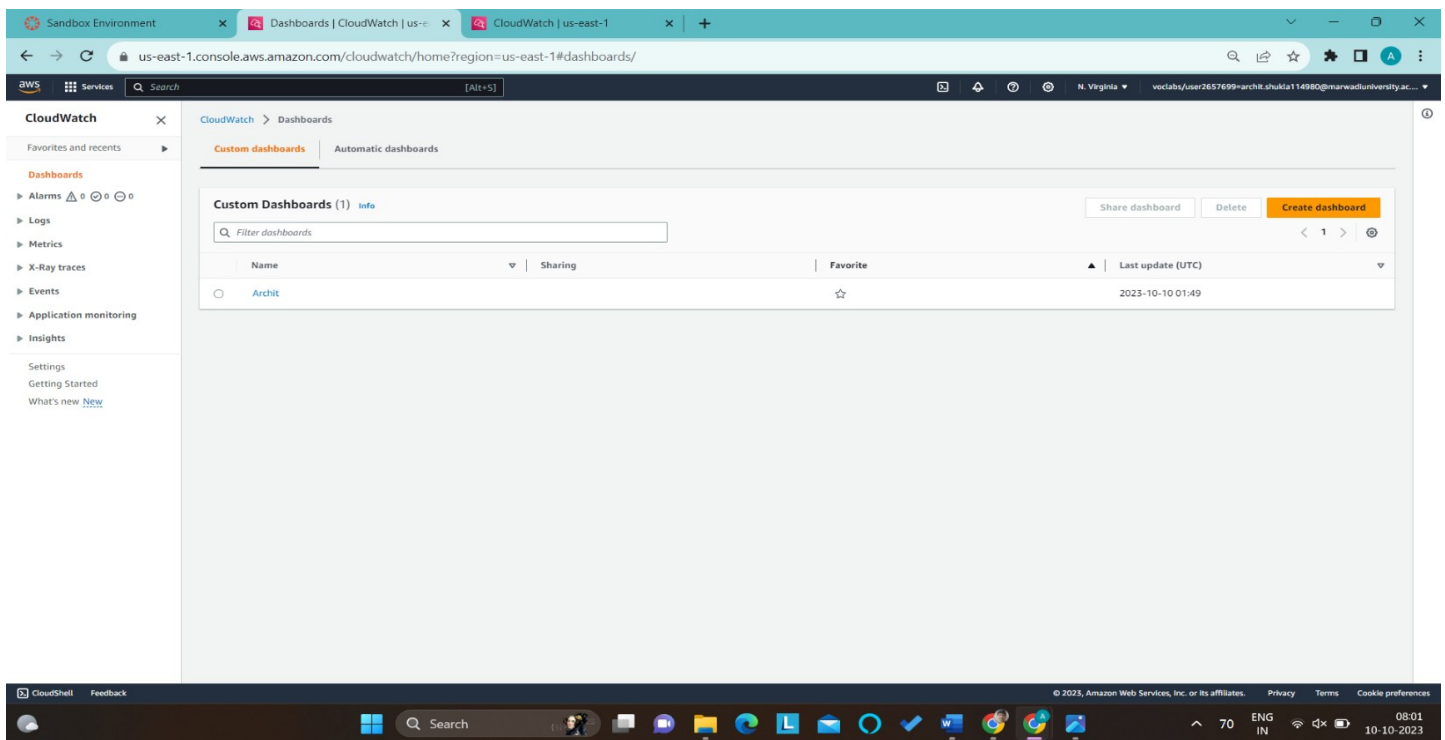
ID	Label	Details	Statistic	Period	Y axis	Actions
q1	Query1	SELECT MAX(CPUUtilization) FROM 'A...'	Average	5 minutes		

Step 8: Now in Graphed metrics click on create widget.

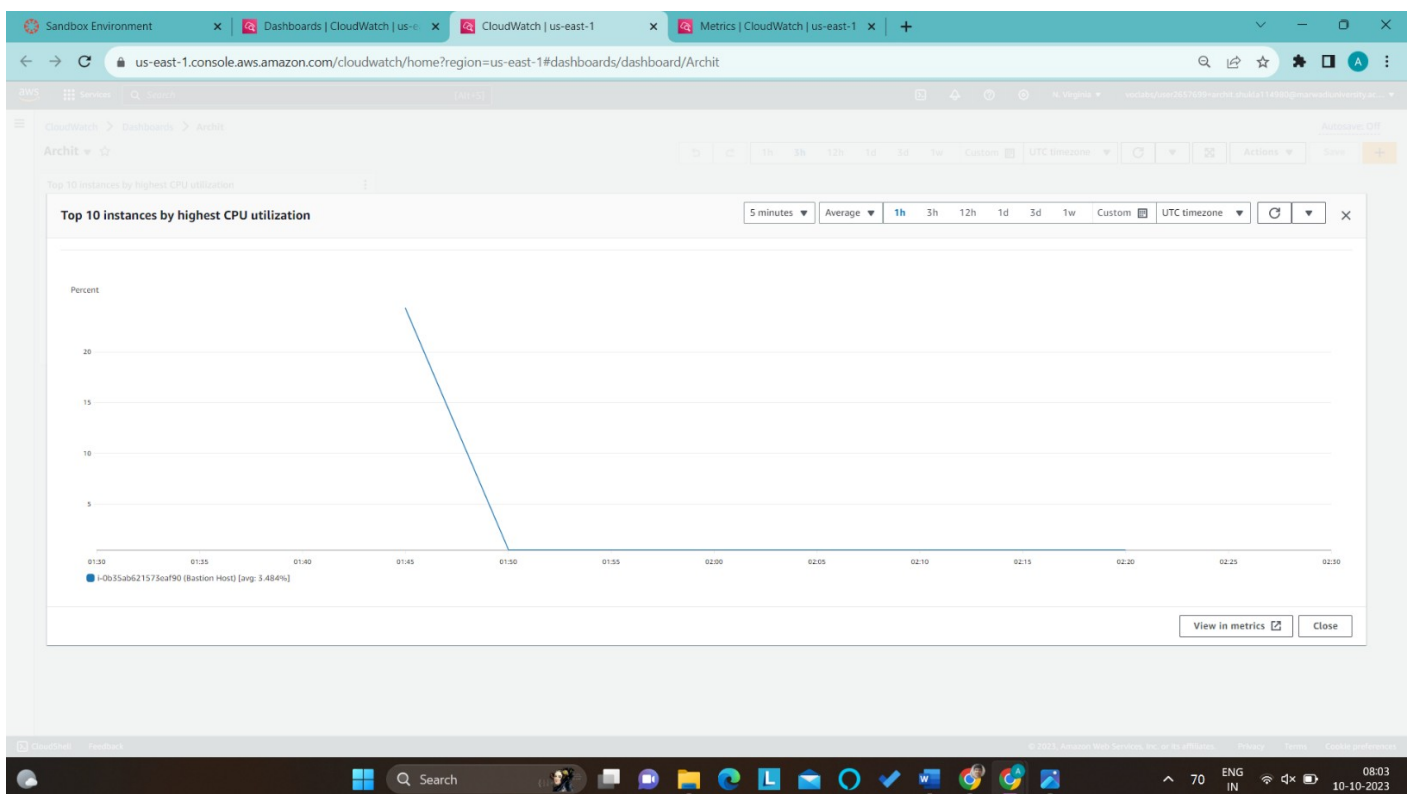
The screenshot shows the AWS CloudWatch console in the 'us-east-1' region. The 'Add metric graph' interface is displayed. The 'Graphed metrics (1)' tab is selected, and the 'Create widget' button is visible at the bottom right. The graph area shows a line chart with a single data series labeled 'Query1'. The x-axis represents time, and the y-axis represents CPU utilization. The table below the graph shows the details of the selected metric.

ID	Label	Details	Statistic	Period	Y axis	Actions
q1	Query1	SELECT MAX(CPUUtilization) FROM 'A...'	Average	5 minutes		

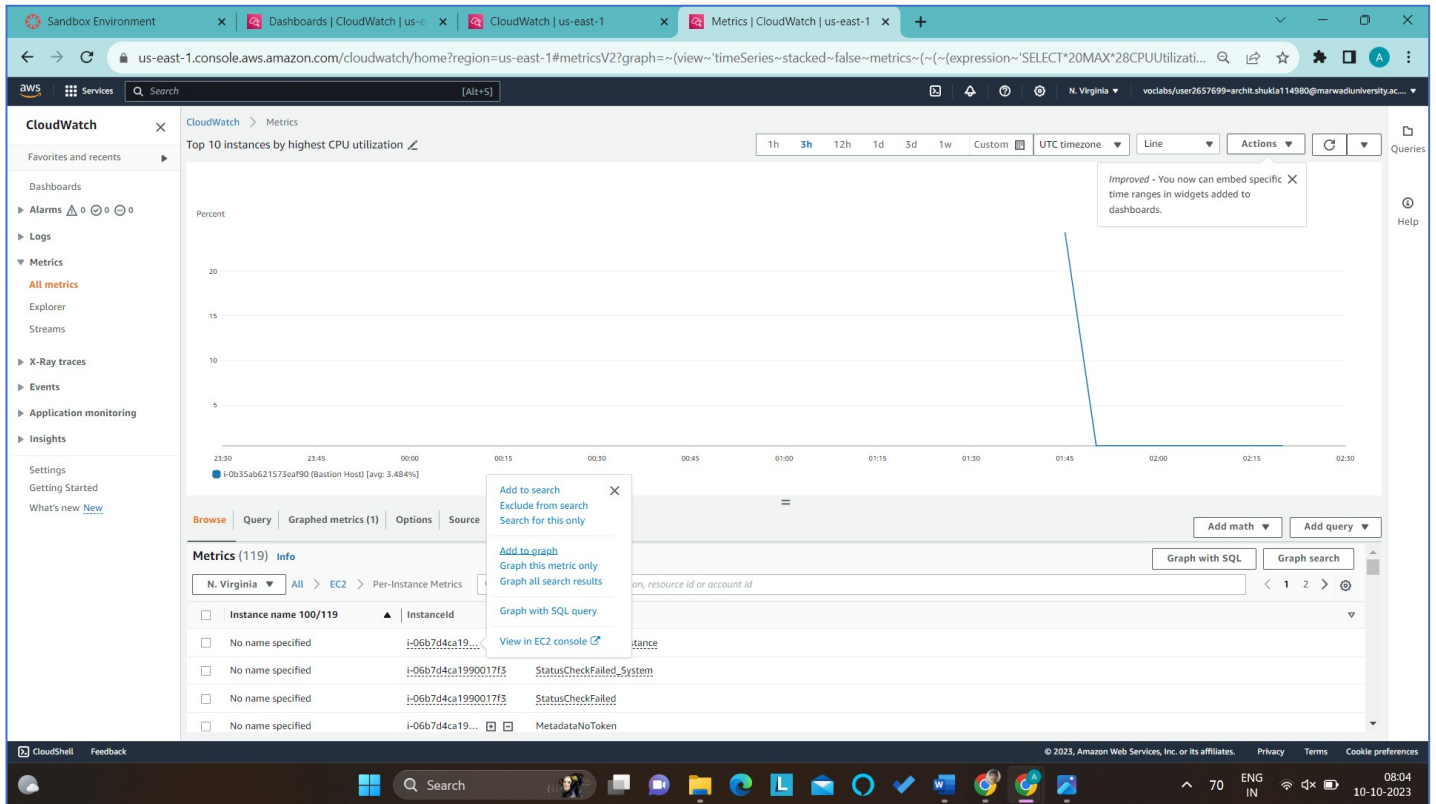
Step 9: Now click on Archit, the dashboard that we have created.



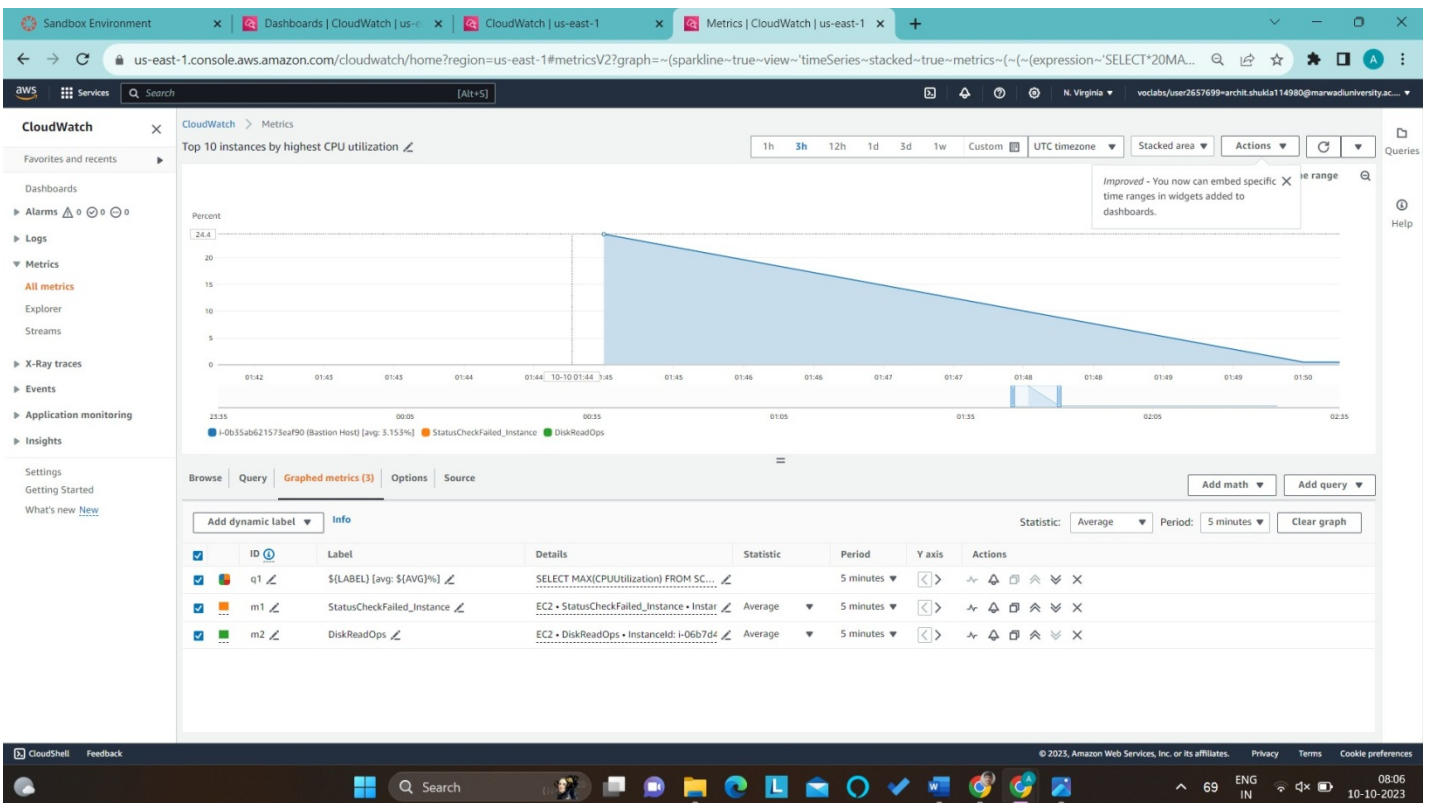
Step 10: Now we can see this utilization of the CPU, then click on view in metrics



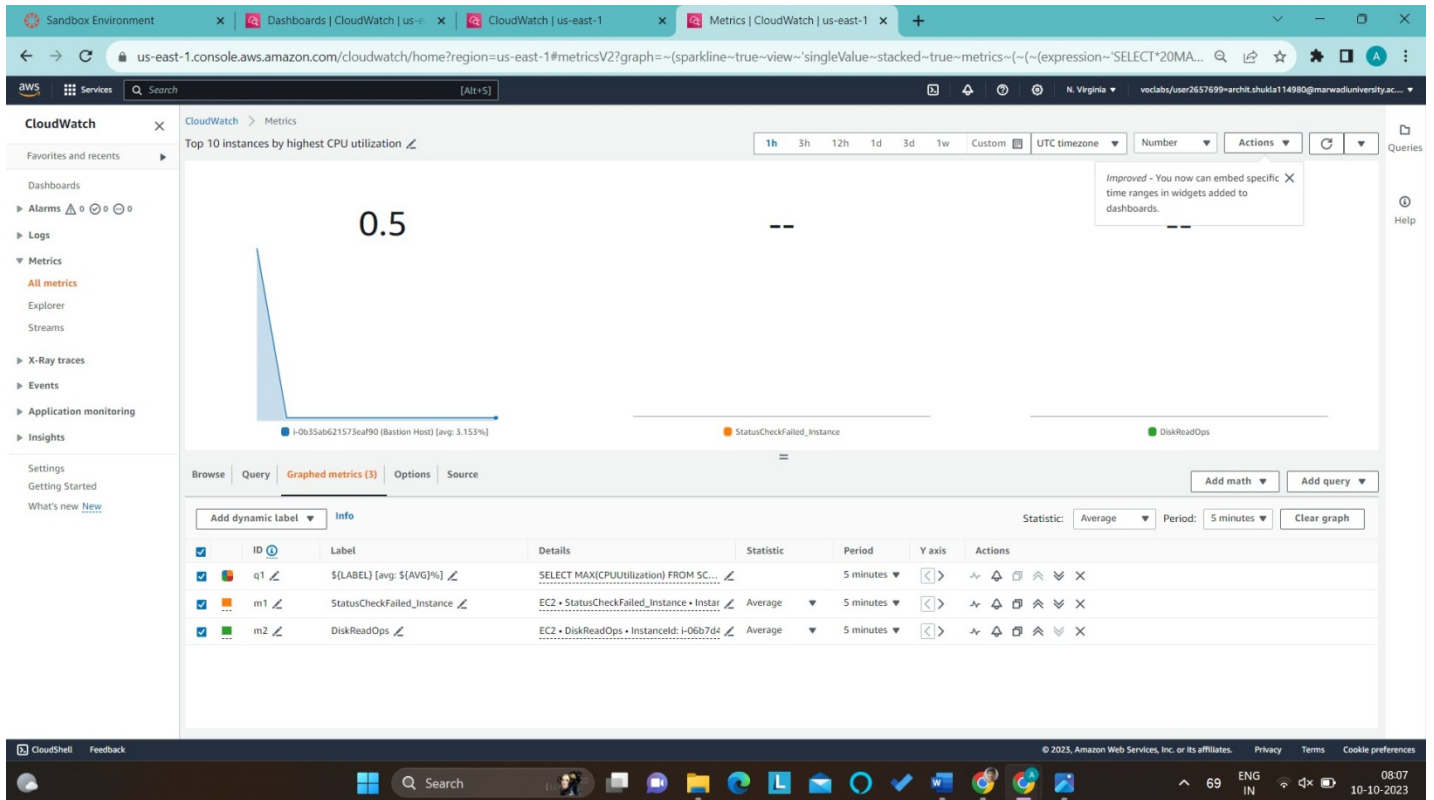
Step 11: Now click on the instance what we need to monitor.



Step 12: Now we can see the CPU utilization of that instance.



Step 13: Click on Number and we can see the CPU utilization of that instance in number format and click on Graphed metrics.



Step 14: Click on create widget & Save the instance. Now we can monitor our resources for the selected instance.

