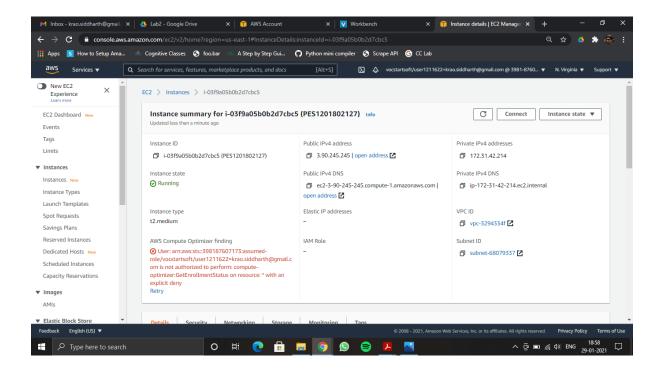
CLOUD COMPUTING LAB: WEEK 2

PES1201802127

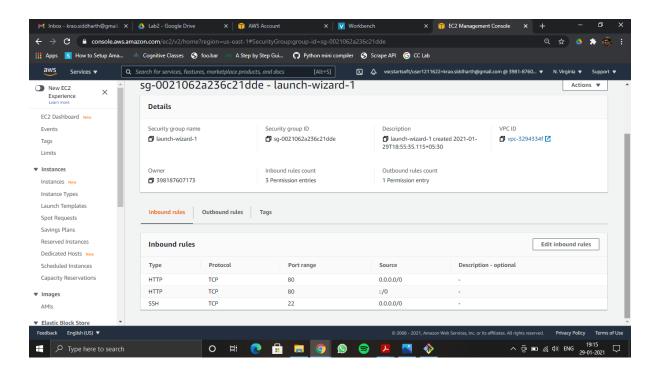
Siddharth K Rao

- 1.) <u>Task A:</u> The Objective of this task is to setup up a web server on the AWS EC2 Instance and host a sample web page on the instance. You are also required to load test the web page by using Apache Bench and monitor the EC2 instance using AWS CloudWatch service.
 - 1a) Creating EC2 Instance:

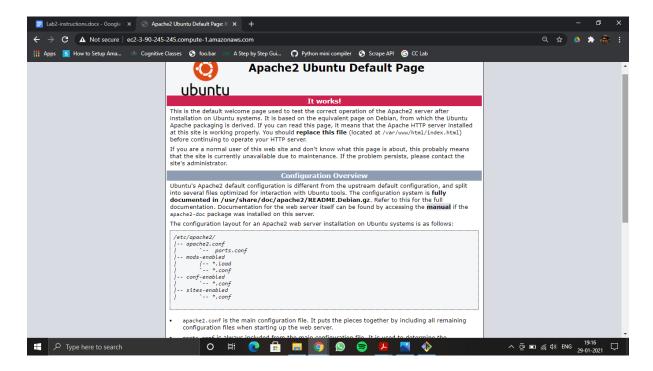


2a) Installing Apache web Server on AWS EC2 Instance:

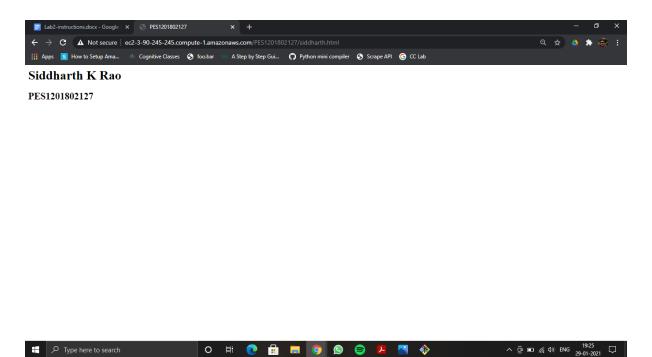
3a) Setting up Firewall rules and showing the list of rules updated:



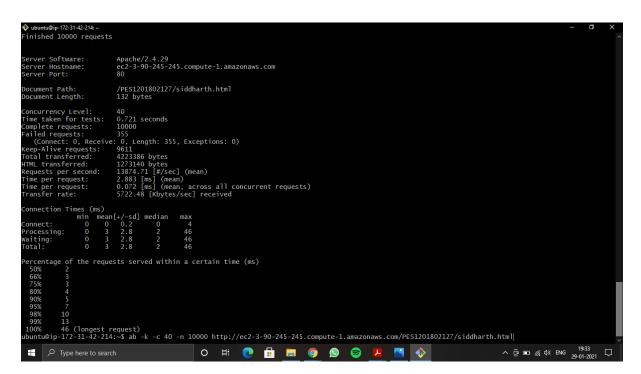
3b) Local browser showing EC2 Instance's Apache2 Ubuntu Default Page:



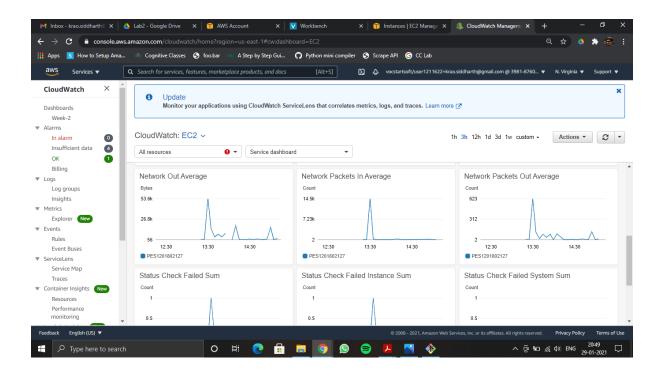
4a) Hosting a sample web page:



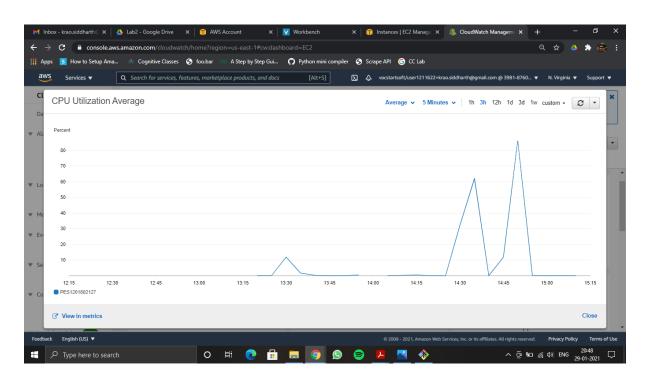
5a) Apachebench output report after execution:



5b) All set of graphs:



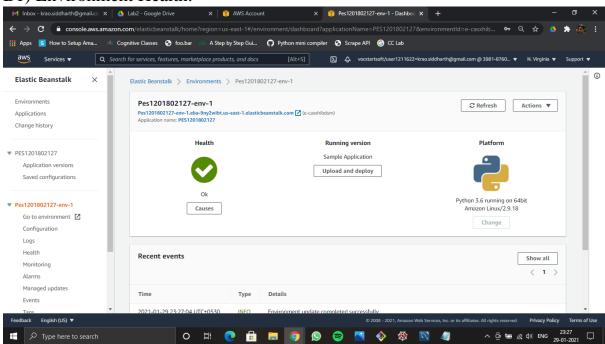
5c) CPU Utilization:



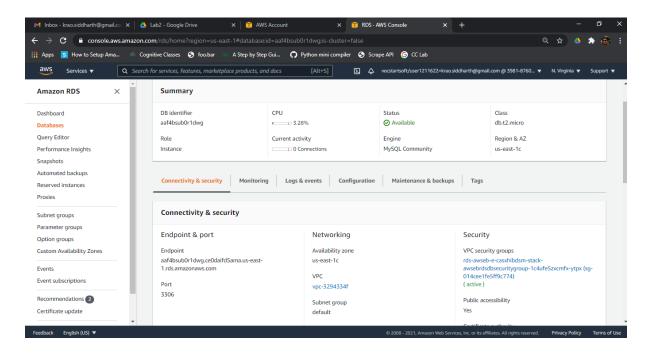
2.) Task 2: Deploying Flask app On AWS Elastic Beanstalk

In this task you'll be asked to create a AWS Elastic Beanstalk environment and deploy the flask application provided to you. You are required to configure a RDS along with your Beanstalk environment and create a few tables and databases.

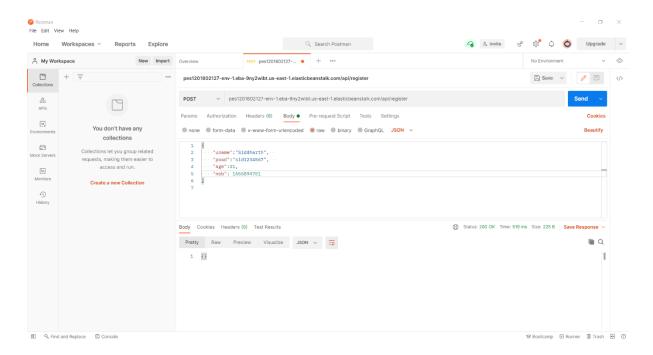
B1) Environment Health:



B2) DB Configuration:



B3) Register User Request:



B4) Verify User Request:

