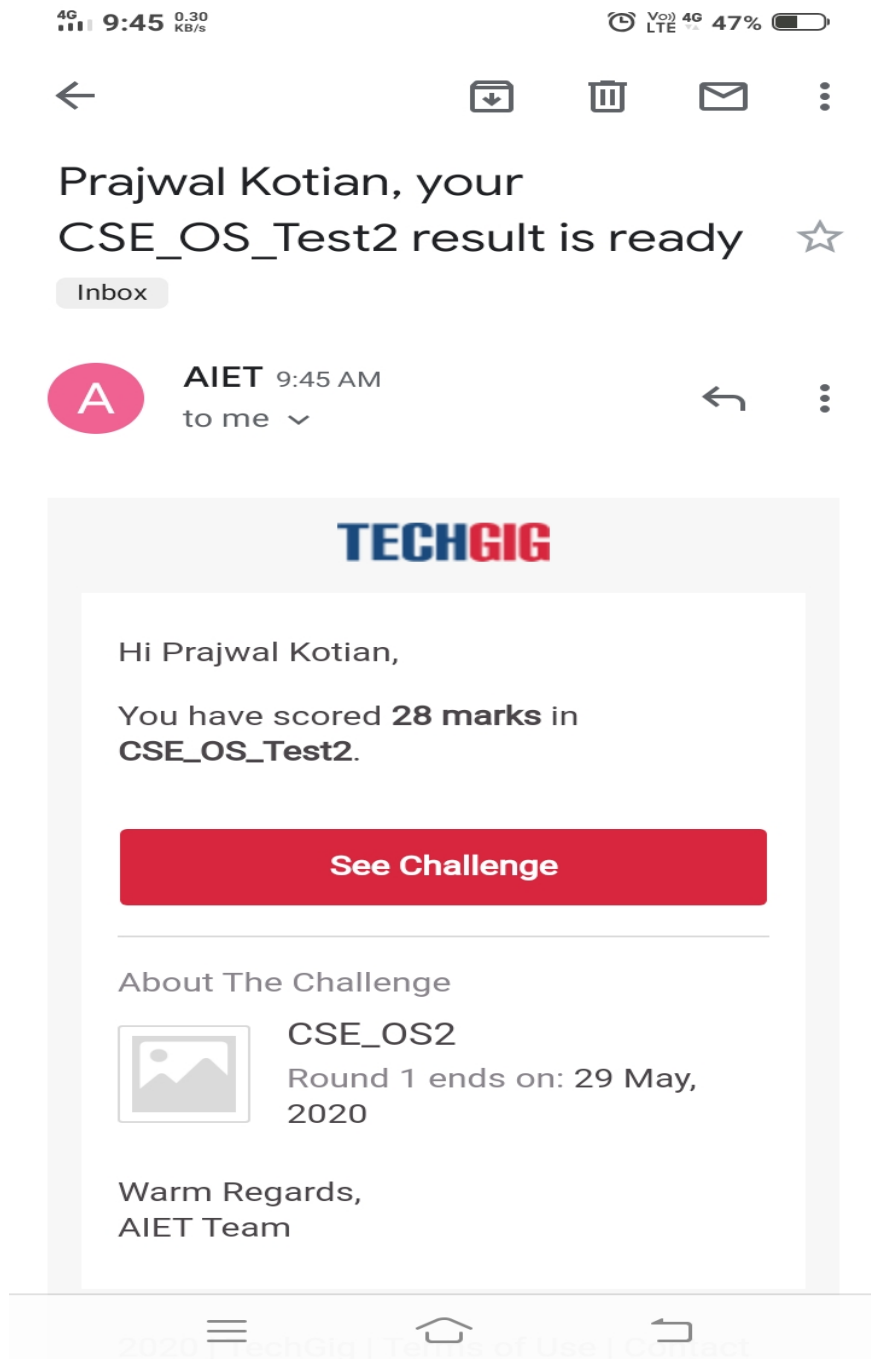


DAILY ONLINE ACTIVITIES SUMMARY

Date:	29/05/2020	Name:	Prajwal
Sem & Sec	IV sem & B sec	USN:	4AL18CS057
Online Test Summary			
Subject	Operating System		
Max. Marks	30	Score	28
Certification Course Summary			
Course	Machine Learning With Python		
Certificate Provider	COGNITIVE CLASS	Duration	12 hours
Coding Challenges			
Problem Statement: 1. Write a java program to find the size of the largest '+' formed by all ones in binary matrix.			
Status: Done			
Uploaded the report in Github		YES	
If yes Repository name		https://github.com/PRAJWALKOTIAN/lockdown-coding	
Uploaded the report in slack		YES	

Online test details

Test was conducted from 09:00 to 09:45 am dated 29 may 2020. The test includes MCQ kind of questions which contains 30 questions of 1 mark each.



Certification Course Details

The course I have chosen is MACHINE LEARNING WITH PYTHON in this I studied the difference between the logistic regression and linear regression.

4G 11:43 0.98 MB/s VoLTE 4G 36%

Course > Modul... > Logistic... > Logistic...

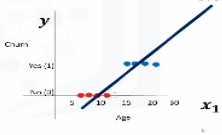
< >

Logistic Regression vs Linear Regression (29:20)

[Bookmark this page](#)

Logistic Regression vs Linear Regression (15:30)

Predicting churn using linear regression




$$\theta^T x = \theta_0 + \theta_1 x_1$$
$$\theta^T x = \theta_0 + \theta_1 x_1 + \theta_2 x_2 + \dots$$
$$\theta^T = [\theta_0, \theta_1, \theta_2, \dots, 1] \quad X = \begin{bmatrix} 1 & x_1 \\ 1 & x_2 \\ \vdots & \vdots \end{bmatrix}$$


Anyway, given a dataset, all the feature sets

X, θ parameters, can be calculated through an optimization algorithm or mathematically,

which results in the equation of the fitting line.

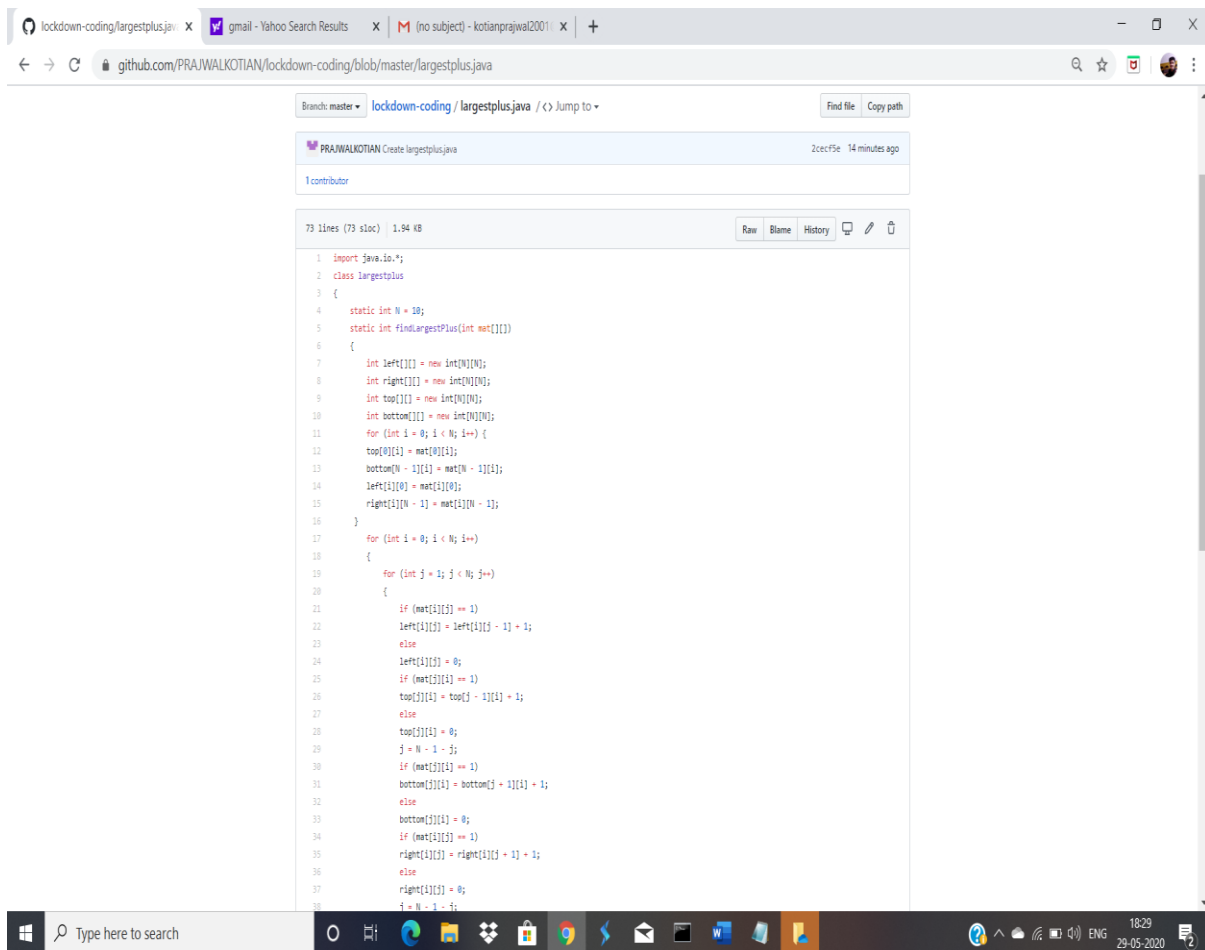
4:57 / 15:30



Coding Challenges Details

The bellow codes are there on my github repository
<https://github.com/PRAJWALKOTIAN/lockdown-coding>

1. Write a java program to find the size of the largest '+' formed by all ones in binary matrix.



The screenshot shows a web browser displaying a GitHub repository page for 'lockdown-coding/largestplus.java'. The page includes a commit history table with one commit by PRAJWALKOTIAN. Below the table, the Java code is displayed, which implements a dynamic programming solution to find the largest '+' shape in a binary matrix.

```
1 import java.io.*;
2 class largestplus
3 {
4     static int N = 10;
5     static int findLargestPlus(int mat[][])
6     {
7         int left[][] = new int[N][N];
8         int right[][] = new int[N][N];
9         int top[][] = new int[N][N];
10        int bottom[][] = new int[N][N];
11        for (int i = 0; i < N; i++) {
12            top[i][0] = mat[i][0];
13            bottom[i][N-1] = mat[i][N-1];
14            left[i][0] = mat[i][0];
15            right[i][N-1] = mat[i][N-1];
16        }
17        for (int i = 0; i < N; i++)
18        {
19            for (int j = 1; j < N; j++)
20            {
21                if (mat[i][j] == 1)
22                    left[i][j] = left[i][j-1] + 1;
23                else
24                    left[i][j] = 0;
25                if (mat[i][j] == 1)
26                    top[j][i] = top[j-1][i] + 1;
27                else
28                    top[j][i] = 0;
29                j = N-1-j;
30                if (mat[i][j] == 1)
31                    bottom[j][i] = bottom[j+1][i] + 1;
32                else
33                    bottom[j][i] = 0;
34                if (mat[i][j] == 1)
35                    right[i][j] = right[i][j+1] + 1;
36                else
37                    right[i][j] = 0;
38            }
39            i = N-1-i;
40        }
41    }
42 }
```