

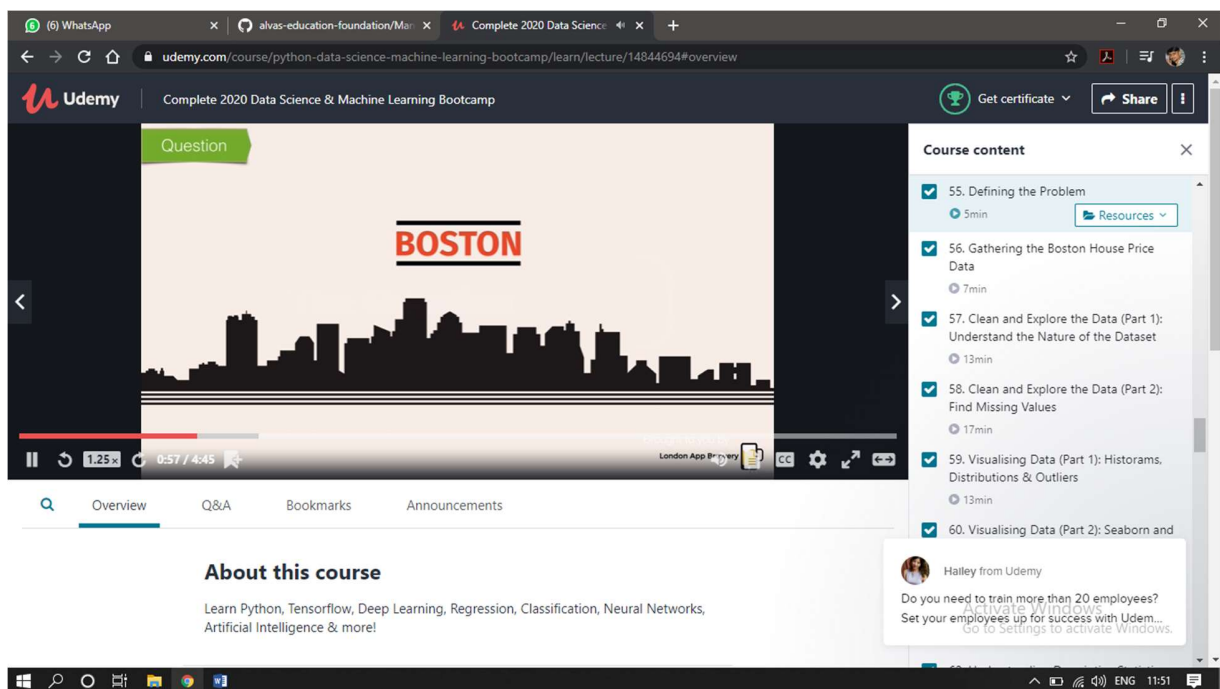
DAILY ONLINE ACTIVITIES SUMMARY

Date:	27/5/2020	Name:	Manoj L
Sem & Sec	8 th Sem	USN:	4AL16CS125
Online Test Summary			
Subject	IOT		
Max. Marks	30	Score	28
Certification Course Summary			
Course	Data Science and Machine Learning Bootcamp		
Certificate Provider	Udemy	Duration	43 hrs
Coding Challenges			
Problem Statement: 1. Write a C Program to sort an array of integers in ascending order and display the sorted array and Number of passes performed for sorting.			
Status:COMPLETED			
Uploaded the report in Github		yes	
If yes Repository name		Manoj_L	
Uploaded the report in slack		yes	

Online Test Details: (Attach the snapshot and briefly write the report for the same)



Certification Course Details: (Attach the snapshot and briefly write the report for the same)



Coding Challenges Details: (Attach the snapshot and briefly write the report for the same)

Write a C Program to sort an array of integers in ascending order and display the sorted array and Number of passes performed for sorting.

```
#include <stdio.h>
void swap(int *xp, int *yp)
{
    int temp = *xp;
    *xp = *yp;
    *yp = temp;
}

void bubbleSort(int arr[], int n)
{
    int i, j;
    for (i = 0; i < n-1; i++)
        for (j = 0; j < n-i-1; j++)
            if (arr[j] > arr[j+1])
                swap(&arr[j], &arr[j+1]);
}

void printArray(int arr[], int size)
{
    int i;
    for (i=0; i < size; i++)
        printf("%d ", arr[i]);
    printf("\n");
}

int main()
{
    int arr[] = {64, 34, 25, 12, 22, 11, 90};
    int n = sizeof(arr)/sizeof(arr[0]);
    bubbleSort(arr, n);
    printf("Sorted array: \n");
    printArray(arr, n);
    return 0;
}
```