DAILY ONLINE ACTIVITIES SUMMARY

Date:	**08 June 2020**	**Name:**	**Asha Rudrappa Totagi**
Sem& Sec	**6th sem& A sec**	**USN:**	**4AL17CS015**

Online Test Summary

Subject	**CNSC**		
Max. Marks	**60**	**Score**	**23**

Certification Course Summary

Course	**Data Structure And Algorithms**		
Certificate Provider	**Udemy**	**Duration**	**3 hours**

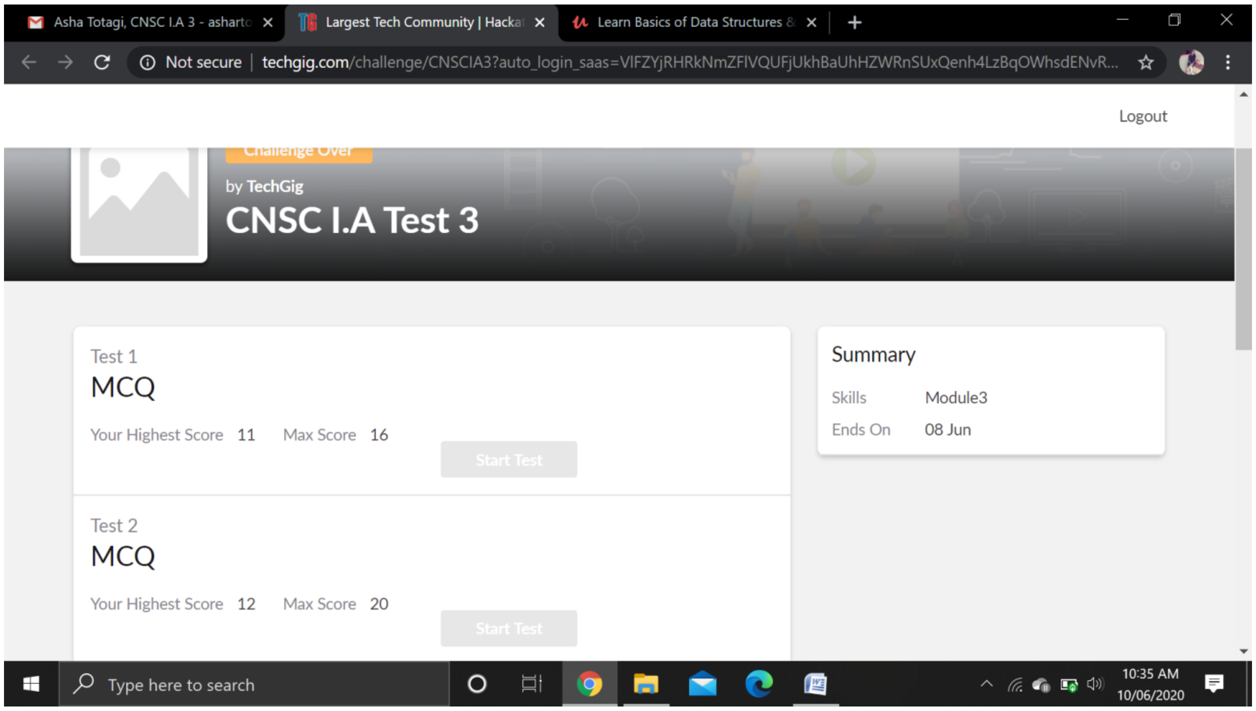
Coding Challenges

Problem Statement
Program 1:
C Program to Generate All the Set Partitions of n Numbers Beginning from 1 and so on.
This algorithm partitions an integer into numbers which sum up to form the original number. It generates partitions of a set of numbers for a given range.

Status: DONE

Uploaded the report in Github	**YES**
If yes Repository name	**Daily Status**
Uploaded the report in slack	**YES**

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



CNSC I.A Test 3

by TechGig

Test 1
MCQ
Your Highest Score 11 Max Score 16

Test 2
MCQ
Your Highest Score 12 Max Score 20

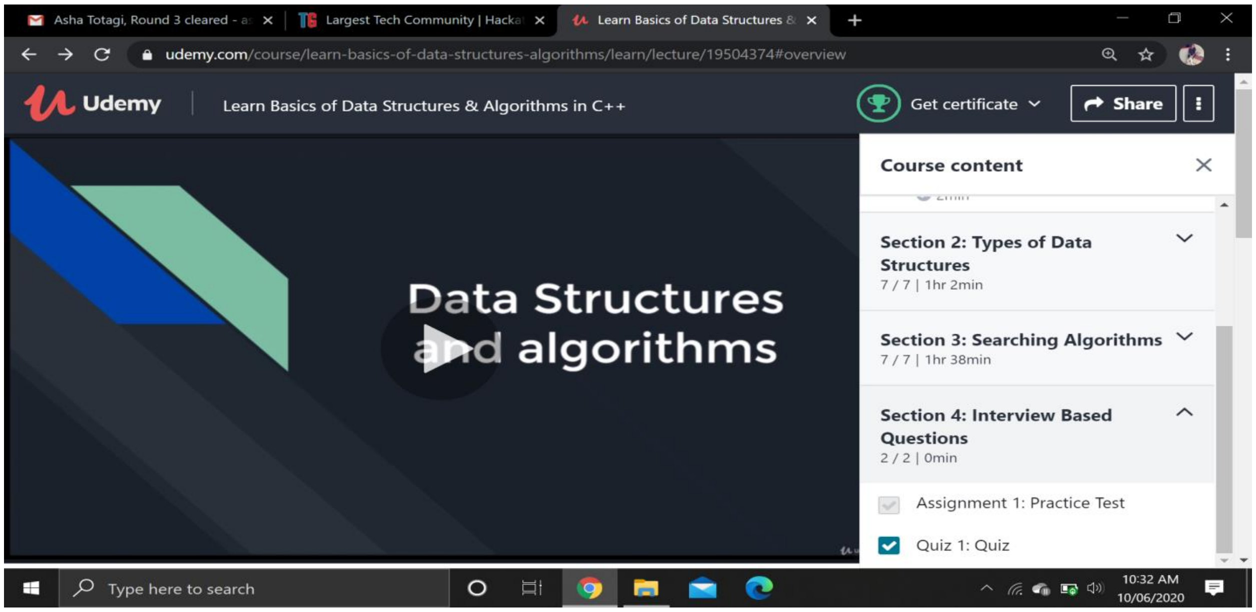
Summary

Skills	Module3
Ends On	08 Jun

Challenge Over
Logout
Start Test
Start Test
Not secure
techgig.com/challenge/CNSCIA3?auto_login_saas=VlFZYjRHRkNmZFlVQUFjUkhBaUhHZWRnSUxQenh4LzBqOWhsdENvR...
Asha Totagi, CNSC I.A 3 - asharto
Largest Tech Community | Hacka
Learn Basics of Data Structures &
Type here to search
10:35 AM
10/06/2020

CNSC IA3 test was held today i.e, 08 June 2020. Out of 60 marks I scored 23.

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


Asha Totagi, Round 3 cleared - a | Largest Tech Community | Hacka | Learn Basics of Data Structures &

udemy.com/course/learn-basics-of-data-structures-algorithms/learn/lecture/19504374#overview

Udemy | Learn Basics of Data Structures & Algorithms in C++ | Get certificate | Share

Data Structures and algorithms

Course content

Section 2: Types of Data Structures
7 / 7 | 1hr 2min

Section 3: Searching Algorithms
7 / 7 | 1hr 38min

Section 4: Interview Based Questions
2 / 2 | 0min

Assignment 1: Practice Test

✓ Quiz 1: Quiz

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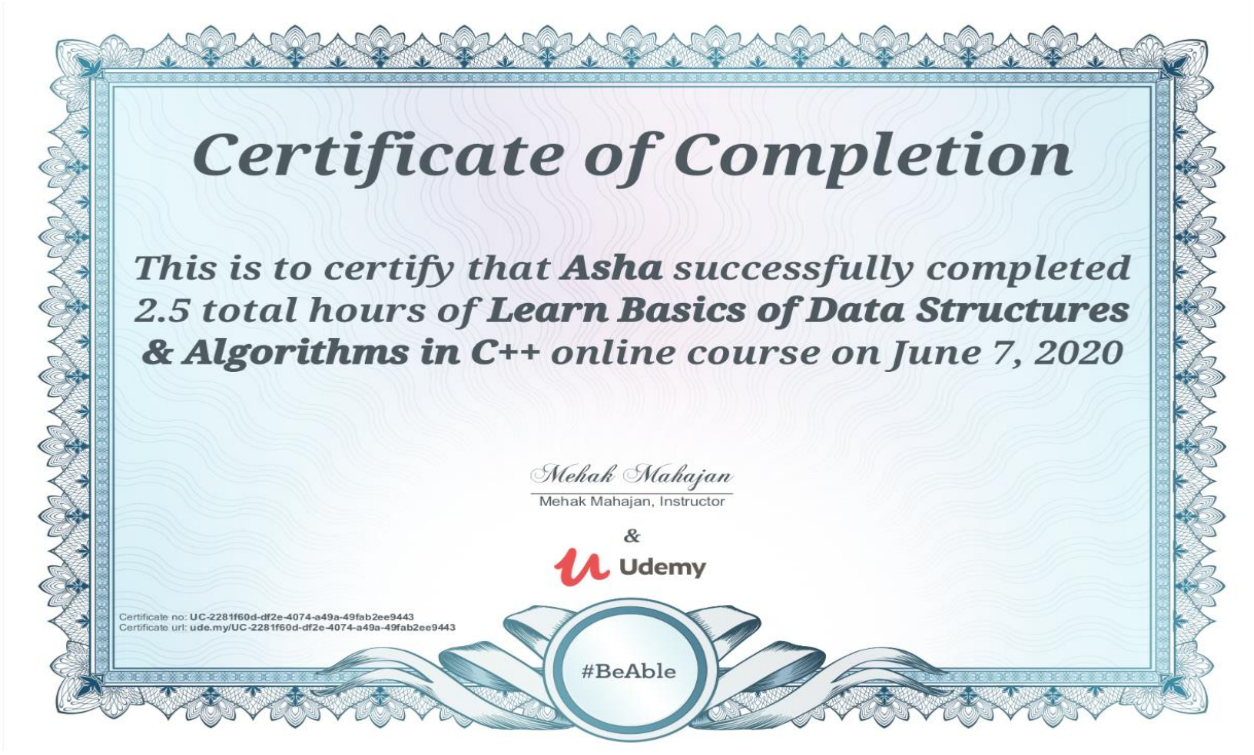
10:32 AM
10/06/2020

DAY 3 (08-06-2020) – Practice Test and Final Quize.


Certificate of Completion

*This is to certify that **Asha** successfully completed 2.5 total hours of **Learn Basics of Data Structures & Algorithms in C++** online course on June 7, 2020*

Mehak Mahajan

Mehak Mahajan, Instructor

&

Udemy

Certificate no: UC-2281f60d-df2e-4074-a49a-49fab2ee9443
Certificate url: ude.my/UC-2281f60d-df2e-4074-a49a-49fab2ee9443

#BeAble

Certificate

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

Program 1:

```
#include <stdio.h>

#include <stdlib.h>

typedef struct {

int first;

    int n;

    int level;

} Call;

void print(int n, int * a) {

    int i ;

    for (i = 0; i<= n; i++) {

printf("%d", a[i]);

    }

printf("\n");

}

void integerPartition(int n, int * a){

    int first;

    int i;

    int top = 0;

    int level = 0;

    Call * stack = (Call * ) malloc (sizeof(Call) * 1000);

stack[0].first = -1;
```

```
stack[0].n = n;
stack[0].level = level;
    while (top >= 0){
        first = stack[top].first;
        n = stack[top].n;
        level = stack[top].level;
        if (n >= 1) {
            if (first == - 1) {
                a[level] = n;
print(level, a);
                first = (level == 0) ?1 : a[level-1];
i = first;
            } else {
i = first;
i++;
            }
            if (i<= n / 2) {
                a[level] = i;
                stack[top].first = i;
                top++;
                stack[top].first = -1;
                stack[top].n = n - i;
                stack[top].level = level + 1;
        } else {
                top--;
            }
        } else {
        top --;
        }
}
}
int main(){
    int N = 1;
    int * a = (int * ) malloc(sizeof(int) * N);
    int i;
printf("\nEnter a number N to generate all set partition from 1 to N: ");
scanf("%d", &N);
    for ( i = 1; i<= N; i++)
    {
printf("\nInteger partition for %d is: \n", i);
integerPartition (i, a);
    }
return(0);
}
```