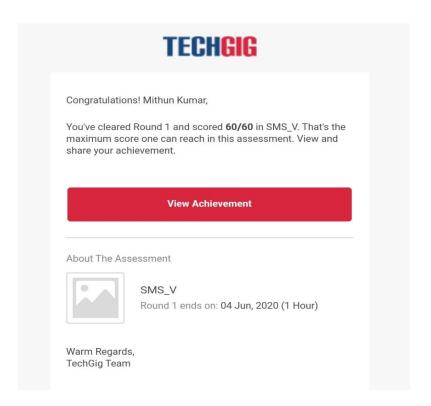
## **DAILY ONLINE ACTIVITIES SUMMARY**

Date:	04/06/20	20	Name:	Mithu	n Kumar D	
Sem & Sec	VIII Semester & A section		USN:	4AL16CS053		
Online Test Summary						
Subject SMS						
Max. Marks 60			Score	60		
Certification Course Summary						
Course AWS Cloud Practitioner Essentials (Second Edition): Final Course Knowledge Check.						
Certificate Provider		AWS	Duration		30 minutes	
Coding Challenges						
Problem Statement: Java Program for Selection Sorting.						
Status: COMPLETED						
Uploaded the report in Github			YES			
If yes Repository name			mkd18			
Uploaded th	e report i	n slack	YES			

## **Online Test Details:**

TechGig 9:37 am TG to me 🗸



## **Certification Course Details:**



## **Coding Challenges Details:**

**Selection sort algorithm** works by dividing the original array in two subarrays: Sorted subarray and unsorted subarray, initially the sorted subarray is empty. This algorithm works by repeatedly finding the minimum element from the unsorted subarray and replacing it with the first element of the array, thus making that part of the array as sorted subarray. This happens repeatedly until the whole array is sorted.

The algorithm maintains two subarrays in a given array.

- 1) The subarray which is already sorted.
- 2) Remaining subarray which is unsorted.

In every iteration of selection sort, the minimum element (considering ascending order) from the unsorted subarray is picked and moved to the sorted subarray.