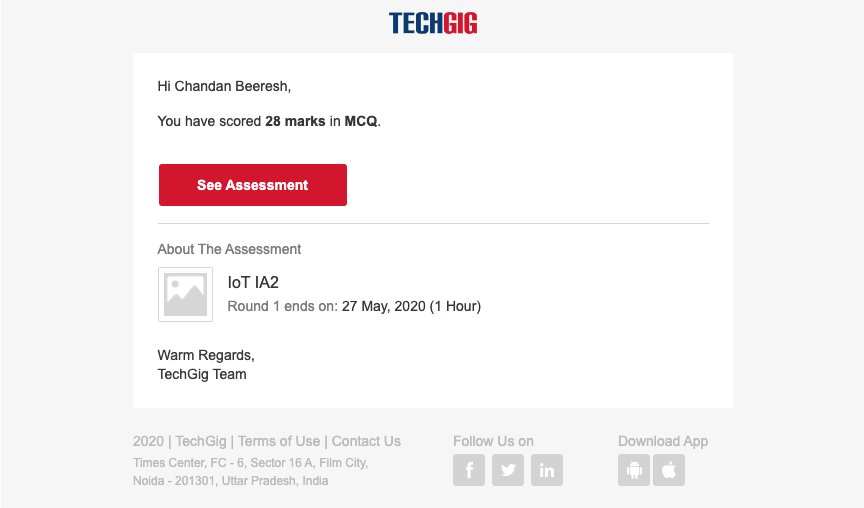
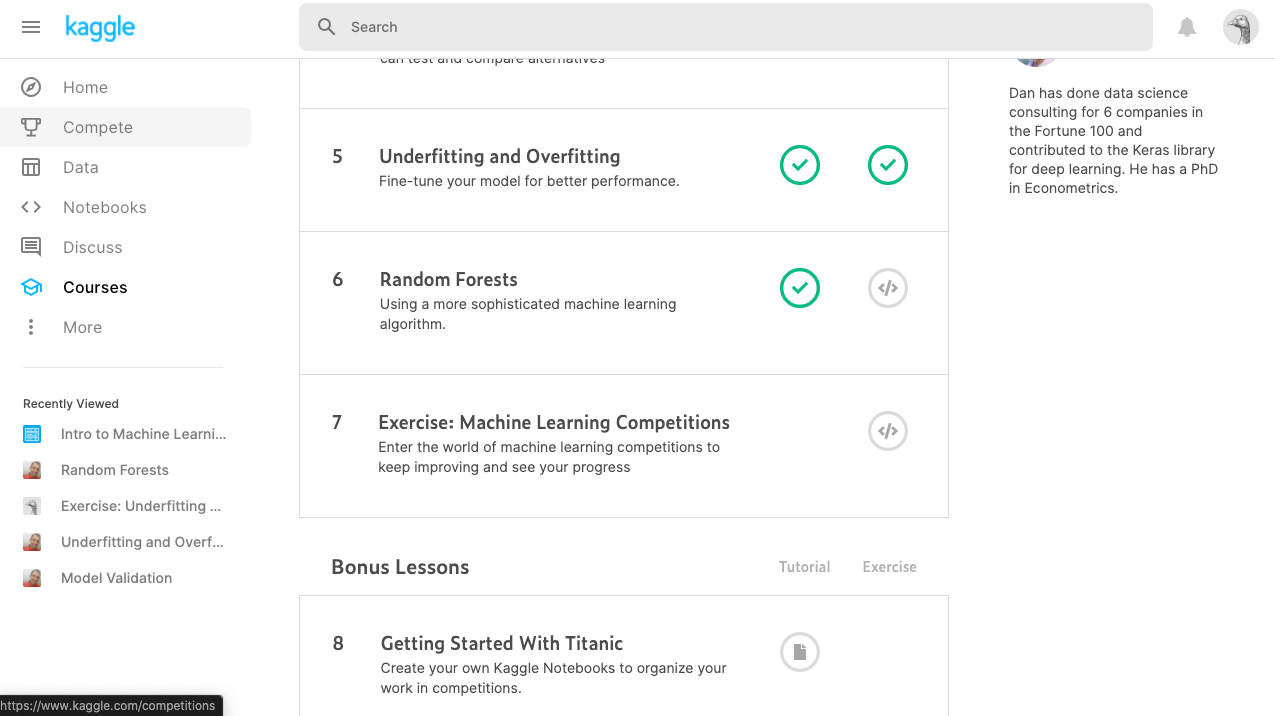
**DAILY ONLINE ACTIVITIES SUMMARY**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Date:** | **27/05/2020** | | | | | **Name:** | **CHANDAN B** | |
| **Sem & Sec** | **8TH, A** | | | | | **USN:** | **4AL16CS400** | |
| **Online Test Summary** | | | | | | | | |
| **Subject** | | **IOT\_IA\_2** | | | | | | |
| **Max. Marks** | | **30** | | **Score** | | | **28** | |
| **Certification Course Summary** | | | | | | | | |
| **Course** | Introduction Machine Learning | | | | | | | |
| **Certificate Provider** | | | **Kaggle** | | **Duration** | | | **8hours** |
| **Coding Challenges** | | | | | | | | |
| **Problem Statement:** **Bubble Sort** | | | | | | | | |
| **Status: completed** | | | | | | | | |
| **Uploaded the report in Github** | | | | | **yes** | | | |
| **If yes Repository name** | | | | | <https://github.com/alvas-education-foundation/chandan.b> | | | |
| **Uploaded the report in slack** | | | | | **yes** | | | |

Online Test Details:



Certification Course Details:



Coding Challenges Details:

#include <stdio.h>

void swap(int \*xp, int \*yp)

{

int temp = \*xp;

\*xp = \*yp;

\*yp = temp;

}

int bubbleSort(int arr[], int n)

{

int i, j,count=0;

int swapped;

for (i = 0; i < n-1; i++)

{

swapped = 0;

for (j = 0; j < n-i-1; j++)

{

if (arr[j] > arr[j+1])

{

swap(&arr[j], &arr[j+1]);

swapped = 1;

count++;

}

}

if (swapped == 0)

break;

}

return count;

}

void printArray(int arr[], int size)

{

int i;

for (i=0; i < size; i++)

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

printf("\n");

}

int main()

{

int arr[50],num;

printf("enter the number of elements");

scanf("%d",&num);

printf("enter the elements");

for(int i=0;i<num;i++){

scanf("%d",&arr[i]);

}

int c=bubbleSort(arr, num);

printf("Sorted array: \n");

printArray(arr, num);

printf("Number of passes:%d\n",c);

return 0;

}