



PORTFOLIO

CA Assignment of CSE-111
(Orientation to Computing-1)

COMPUTER SCIENCE AND ENGINEERING

Submitted By:

Name: Divya Vikash

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Registration No: 12508977

Section: GC

Submitted To:

Name: Prof. Hardarshan Kaur

Department of Computer Science and Engineering

Date: 26/11/2025

DECLARATION

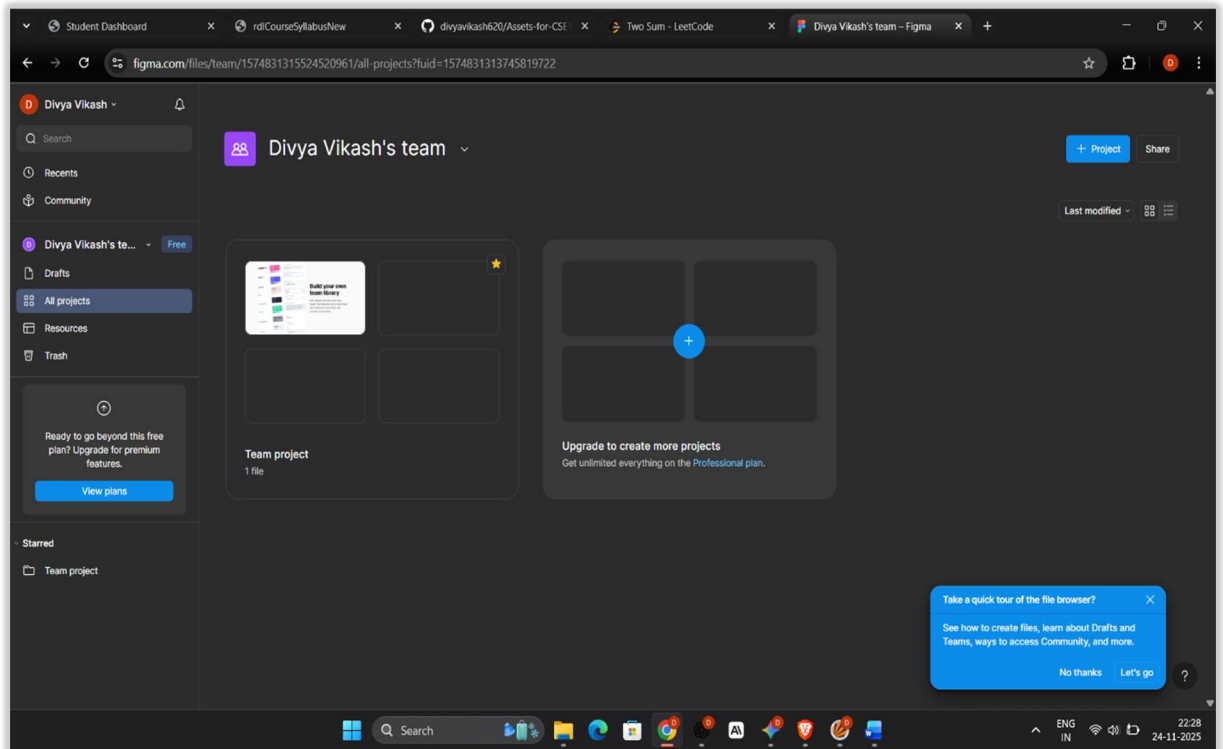
I, Divya Vikash, a student of Bachelor of Technology under CSE discipline at Lovely Professional University, Punjab, hereby declare that all the information furnished in this project report is based on my own work and is genuine.

Name: Divya Vikash

Registration No: 12508977

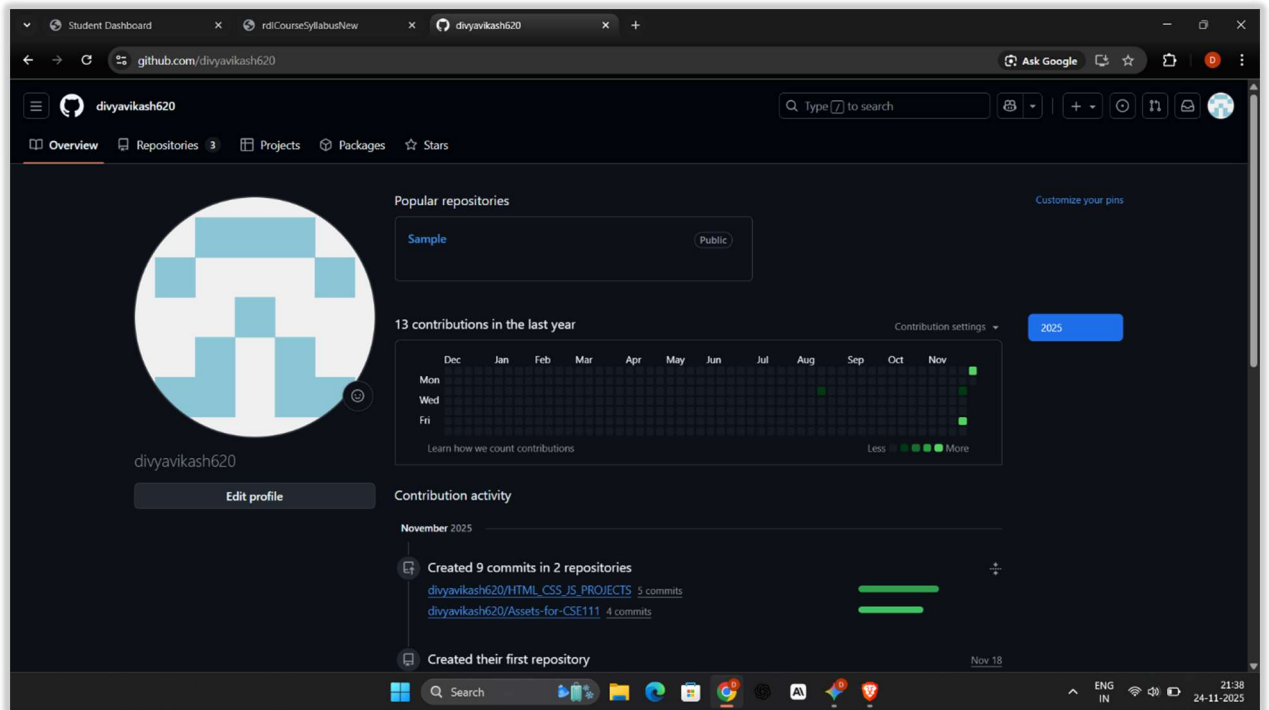
Platforms for profile creation	LINK TO STUDENT PROFILE	Page number
<i>Figma</i>	https://www.figma.com/files/team/1574831315524520961/recent-and-sharing?fuid=1574831313745819722	4
<i>Leet code</i>	https://leetcode.com/u/M10lo0twZB/	10
<i>Stack overflow</i>	https://stackoverflow.com/users/31899795/divya-vikash	6
<i>Hacker Rank</i>	https://www.hackerrank.com/profile/divyavikash620	7
<i>Hacker Earth</i>	https://www.hackerearth.com/@divyavikash620/	8
<i>Geeks for Geeks</i>	https://www.geeksforgeeks.org/user/divyavik48hv/	9
<i>Github</i>	https://github.com/divyavikash620	5
<i>LinkedIn</i>	https://www.linkedin.com/in/divya-vikash-518776384/	11
<i>Figma Logo</i>	https://www.figma.com/design/Do1jiRaPGjgodT5aFKL4cB/logo?node-id=0-1&p=f&t=2ZWw5yERh5oF5Oxq-0	12
<i>CV</i>	cv_with photo.pdf	13
<i>Technical mooc registration proof</i>	https://learn.upgrad.com/course/903	20
<i>Activity</i>		14-19

1. Figma



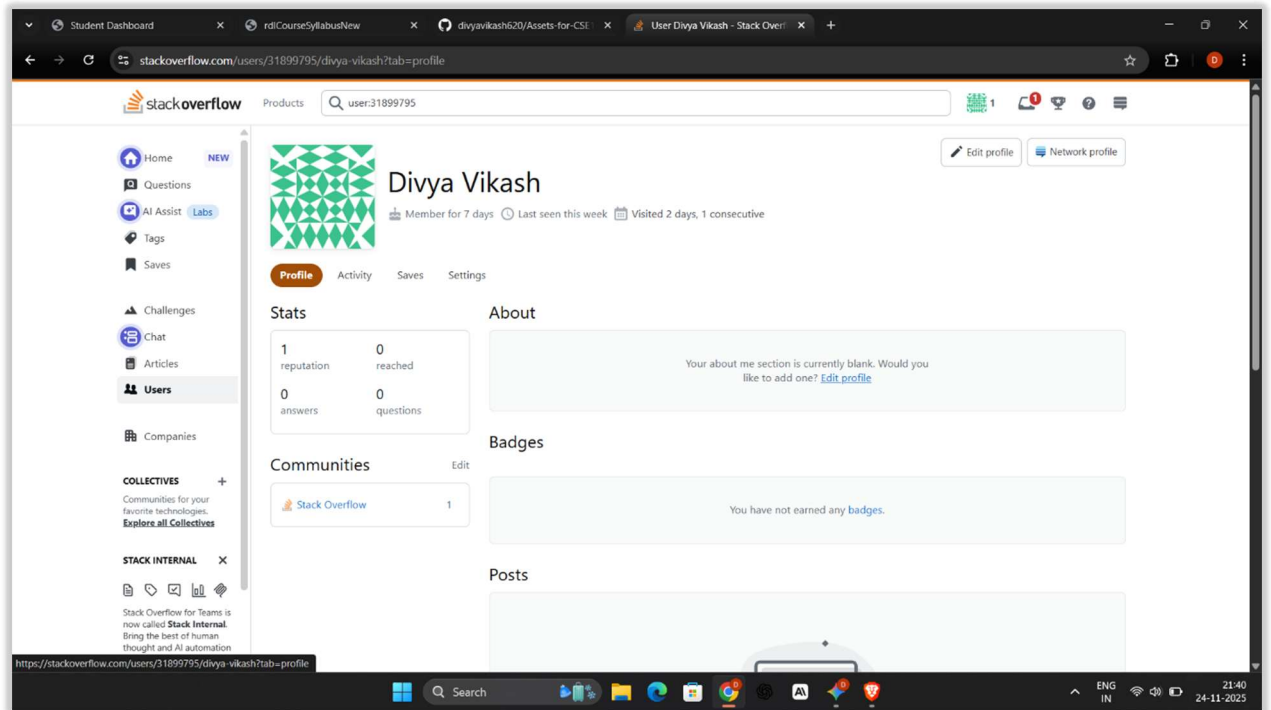
<https://www.figma.com/files/team/1574831315524520961/recents-and-sharing?fuid=1574831313745819722>

2. Github



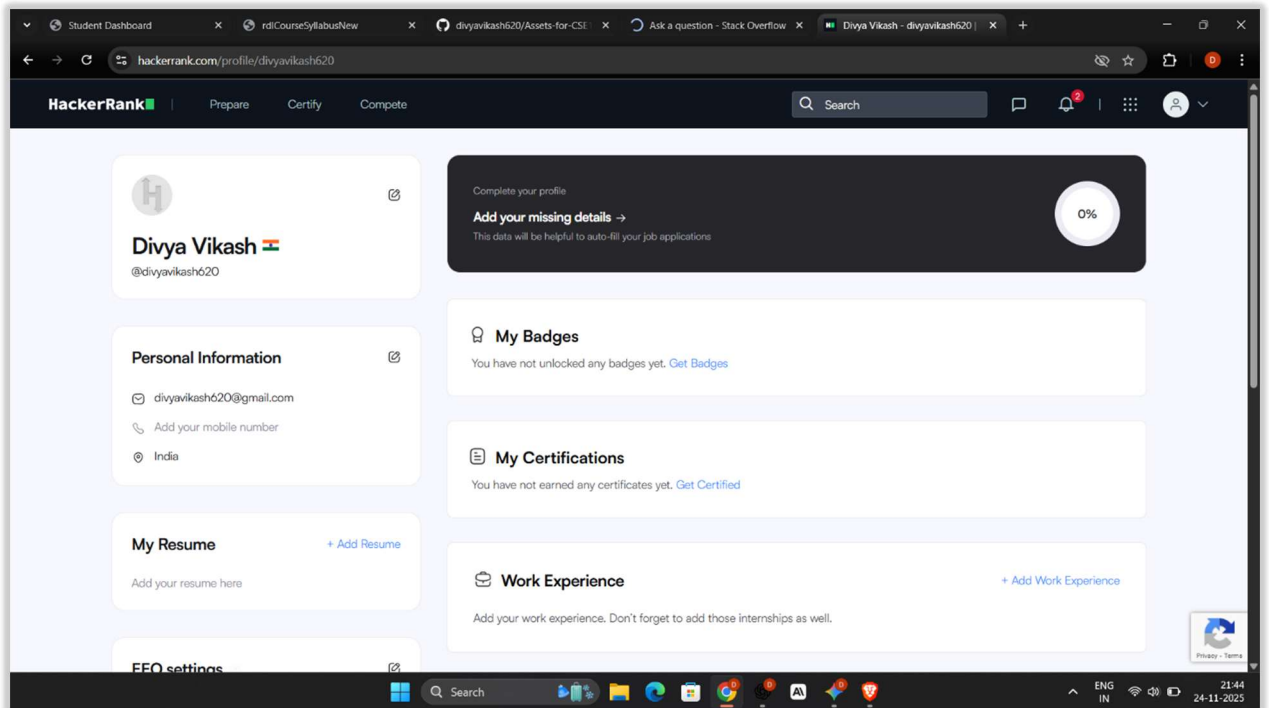
<https://github.com/divyavikash620>

3.Stack Overflow



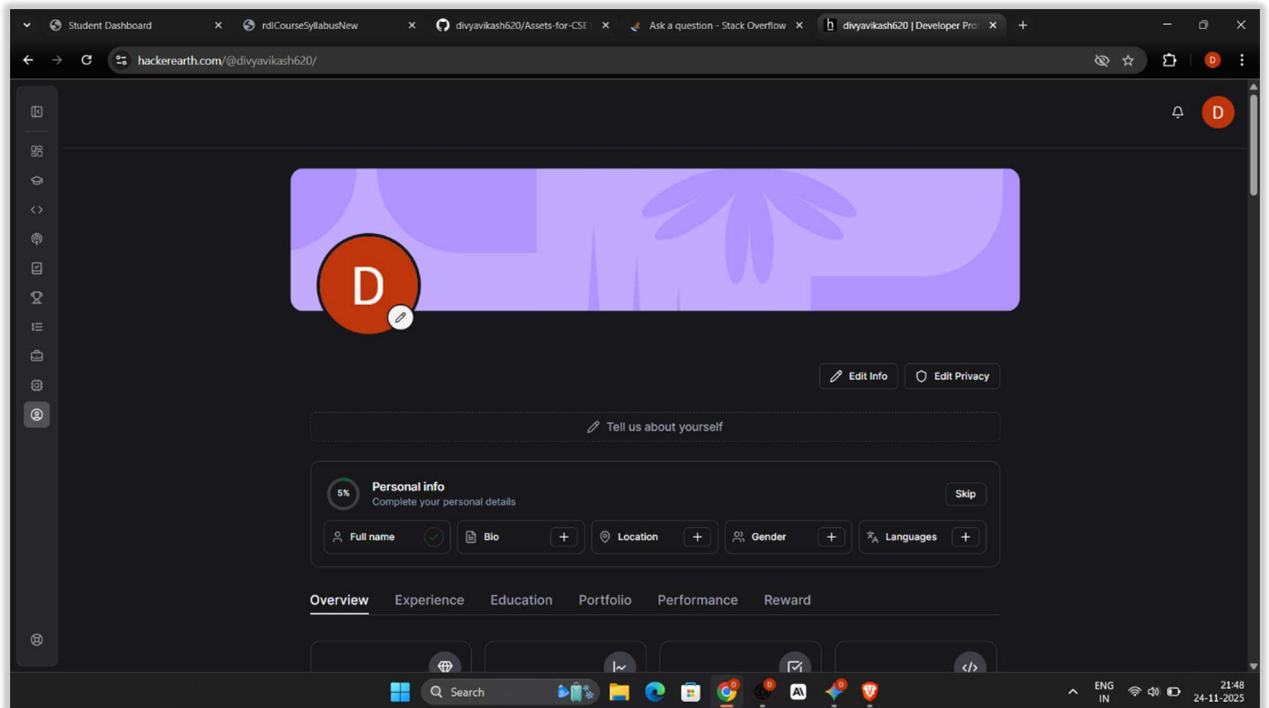
<https://stackoverflow.com/users/31899795/divya-vikash>

4. Hacker Rank



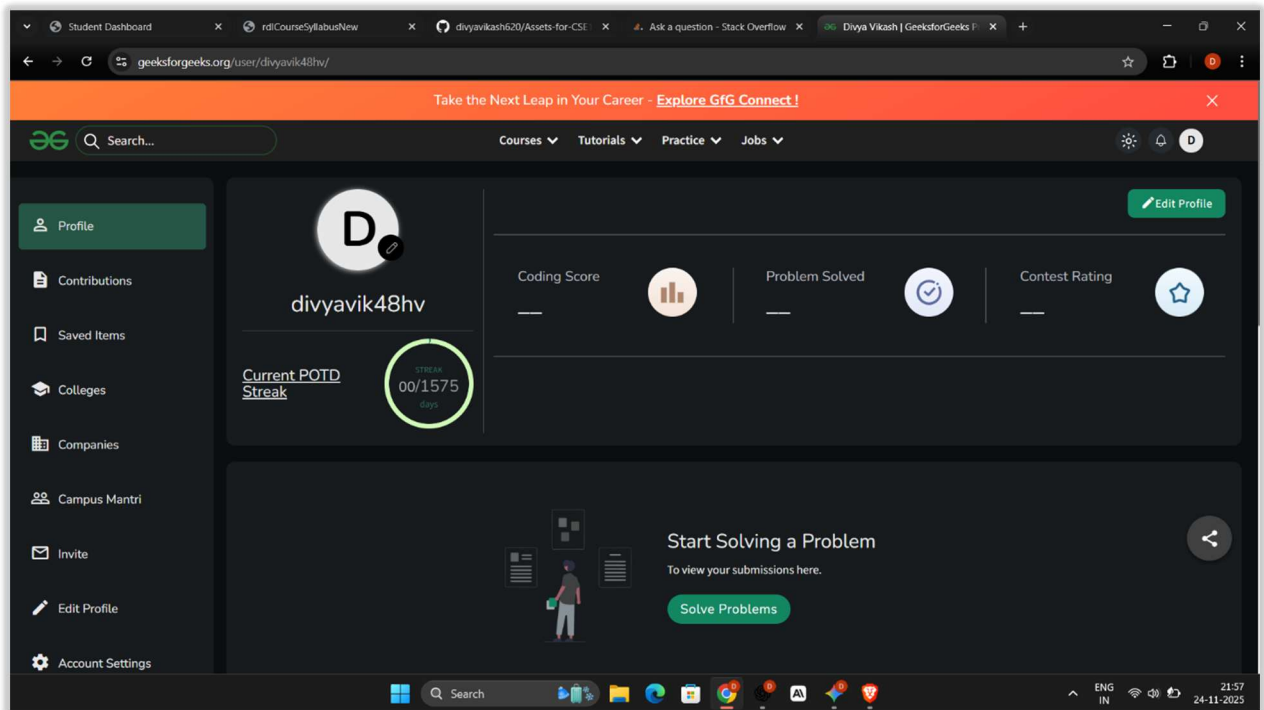
<https://www.hackerrank.com/profile/divyavikash620>

5. Hacker Earth



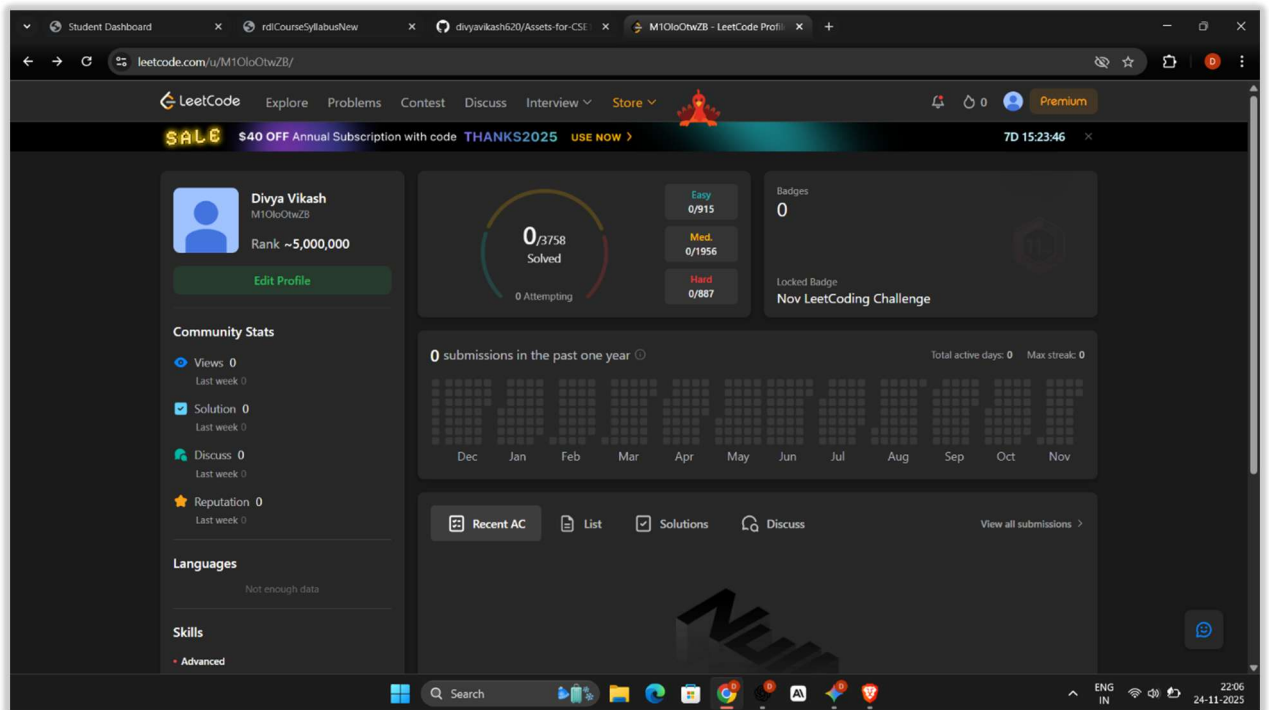
<https://www.hackerearth.com/@divyavikash620/>

6. GeeksforGeeks



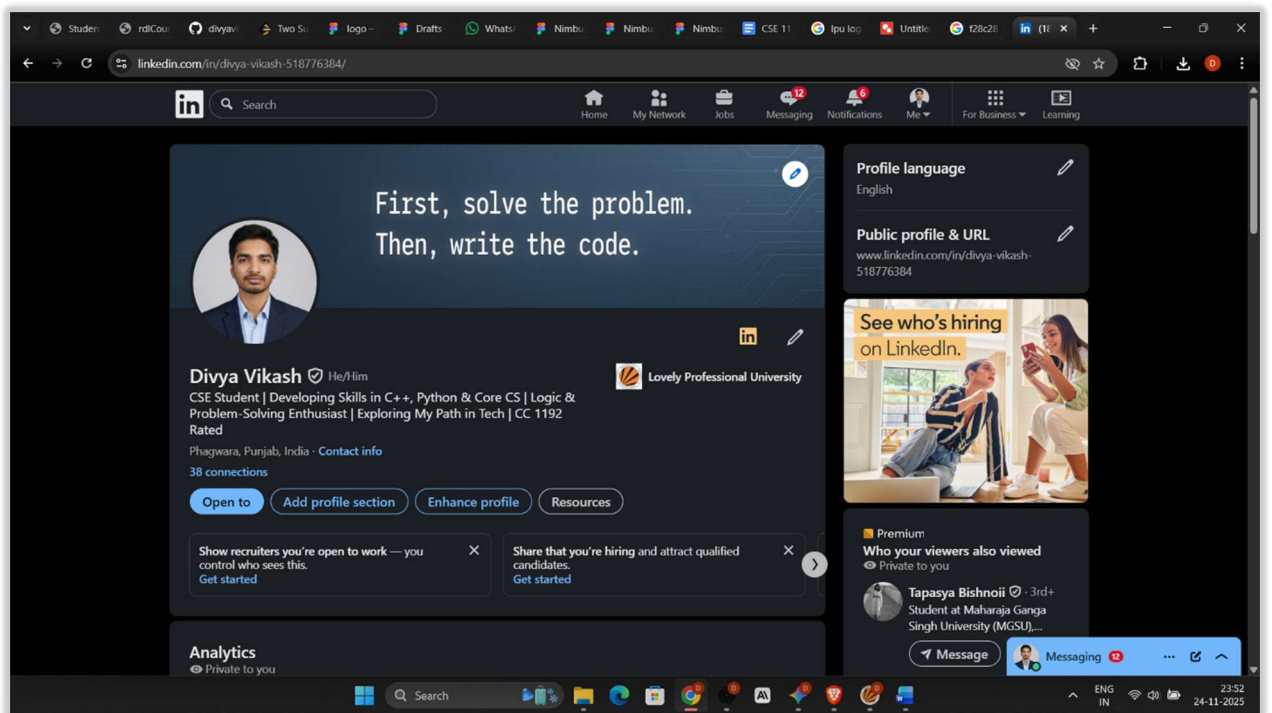
<https://www.geeksforgeeks.org/user/divyavik48hv/>

7. LeetCode



<https://leetcode.com/u/M10loOtwZB/>

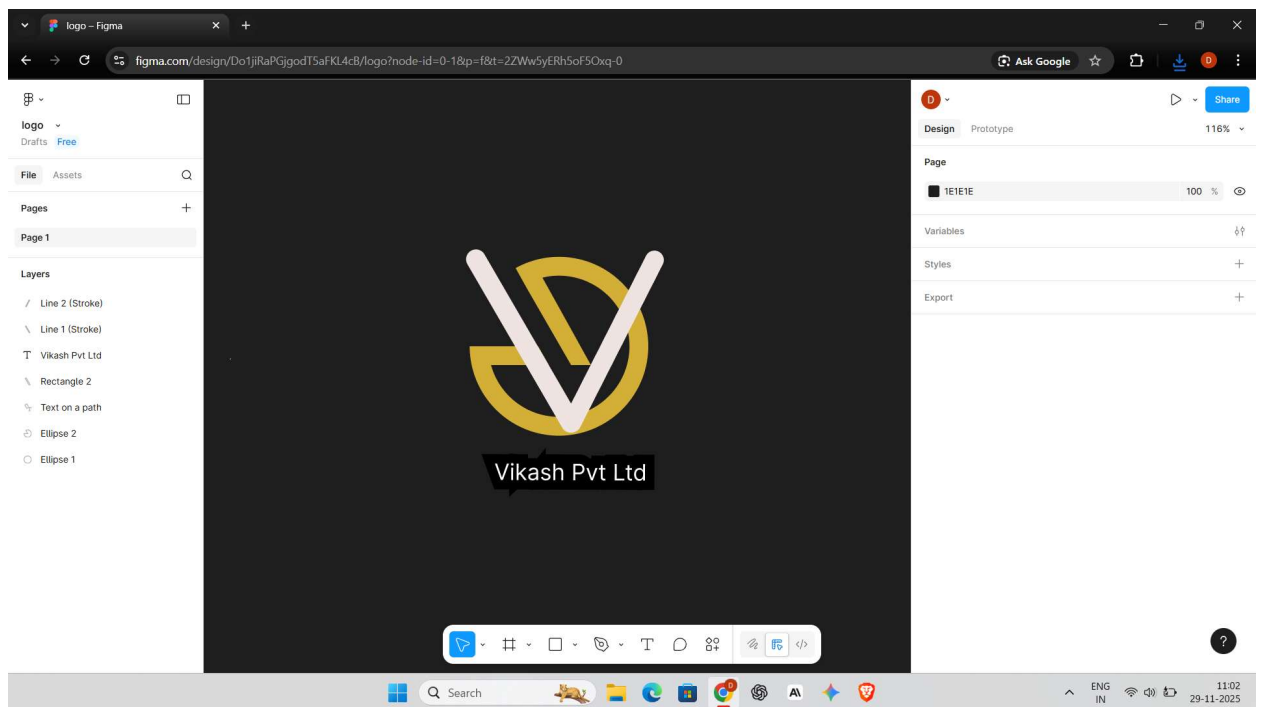
8. LinkedIn



<https://www.linkedin.com/in/divya-vikash-518776384/>

9. Figma Logo (Vikash Pvt Ltd)

<https://www.figma.com/design/Do1jiRaPGjgodT5aFKL4cB/logo?node-id=0-1&p=f&t=2ZWw5yERh5oF5Oxq-0>



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GitHub: github.com/divyavikash620



PROFESSIONAL SUMMARY

First-semester Computer Science student with strong interest in problem-solving, competitive programming, and building real-world projects. Passionate about learning core CS fundamentals and improving logical thinking through practical development.

EDUCATION

Lovely Professional University

August 2025 B.Tech in Computer Science;

Relevant Coursework: Python, Web Development, OOP

Satyam International Class XII: 88.0%

New Era High School Class X: 98.0%

TECHNICAL SKILLS

- **Languages:** Python, JavaScript
- **Frontend:** HTML, CSS, JavaScript
- **Tools:** Git, GitHub, VS Code
- **Concepts:** OOP, Basic APIs

PROJECTS

Adventure Text Game (Python) — Branching storyline using functions and conditionals.

Hangman Game (Python) — Implemented ASCII visuals and full game logic.

Functional Calculator(CSS + JS) — Built a modular calculator application with precise arithmetic operations and a clean, intuitive interface.

Currency Converter (JS + API) — Built a real-time converter using Fetch API.

SOFT SKILLS

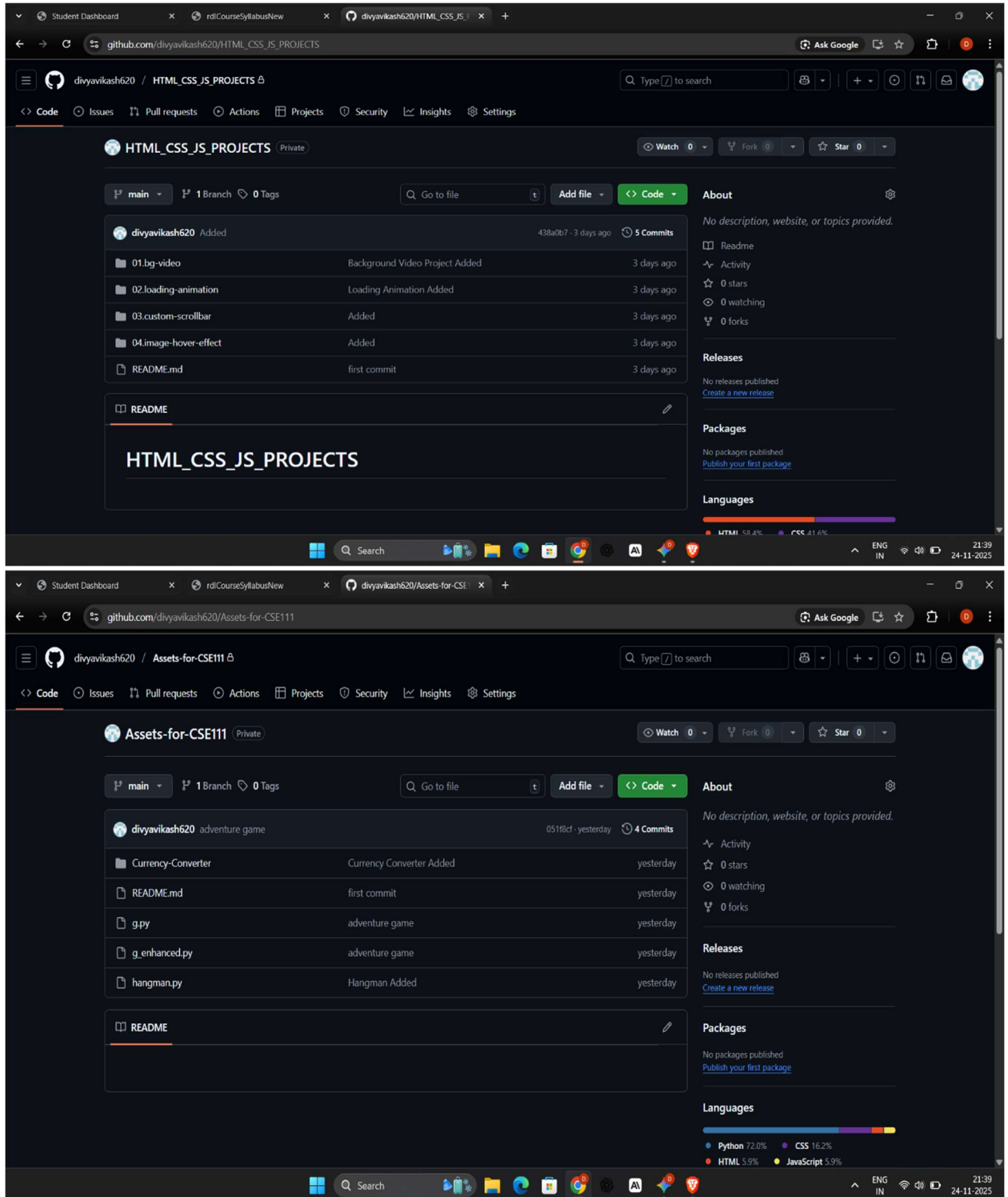
Problem-solving, Logical Thinking, Team Collaboration, Communication, Adaptability

ACHIEVEMENTS

- Solved 150+ CP problems on CodeChef (1192 Highest Rated)
- Earned a LinkedIn Learning certification in Time Management.
- Secured a Zonal Rank -3 in IMO 2022-2023.

Activities performed on the given platforms-

1.Created repository and pushed code to Github



2. Solved problems on the various platforms assigned-

A) HackerRank

The image displays two screenshots of the HackerRank website, specifically the 'Say Hello, World!' challenge page for C++.

Top Screenshot: Shows the problem description and the code editor. The problem description includes the objective, a hint to use `std::cout` or `std::printf`, and the output format. The code editor shows a C++ solution:

```
#include <iostream>
#include <cstdio>
using namespace std;

int main() {
    printf("Hello, World!");
    return 0;
}
```

Bottom Screenshot: Shows the submission results. A 'Congratulations' message is displayed, indicating that the user has earned 5.00 points and is 5 points away from the 1st star badge. The test case results show 'Test case 0' as 'Success'.

The bottom screenshot also shows the 'Compiler Message' as 'Success' and the 'Input (stdin)' as '1'. The 'Expected Output' is 'Hello, World!'.

B) Hacker Earth

The screenshot displays the HackerEarth website interface for the 'Zoo' problem. The page is divided into several sections: a header with navigation links (PRACTICE, COMPETE, JOBS, LEADERBOARD), a problem description, input/output format, and a code editor.

Problem Description: You are required to enter a word that consists of x and y that denote the number of Zs and Os respectively. The input word is considered similar to word **zoo** if $2 \times x = y$. Determine if the entered word is similar to word **zoo**. For example, words such as **zzoooo** and **zzzooooooo** are similar to word **zoo** but not the words such as **zzooo** and **zzzoooooo**.

Input format: First line: A word that starts with several Zs and continues by several Os. **Note:** The maximum length of this word must be 20.

Output format: Print **Yes** if the input word can be considered as the string **zoo** otherwise, print **No**.

Sample Input: zzzooooooo
Sample Output: Yes

Time Limit: 0.5
Memory Limit: 256
Source Limit:

Explanation:

Contributors: Amirreza Poorakhavan

Code Editor: The code editor shows a Python solution that counts the number of 'o's and 'z's in the input word and checks if the number of 'o's is twice the number of 'z's.

```
1 word = input()
2 c_o = word.count("o")
3 c_z = word.count("z")
4
5 if c_o == (2*c_z):
6     print("Yes")
7 else:
8     print("No")
```

Submission Results: The submission ID is 123174223. The result is 'Accepted'. The score is 20, time is 0.10539, and memory is 2 KiB. The language is Python 3.

Input	Result	Time (sec)	Memory (KiB)	Score	Your output	Correct output	Diff
Input #1	Accepted	0.017568	2	17			
Input #2	Accepted	0.017805	2	17			
Input #3	Accepted	0.017575	2	17			
Input #4	Accepted	0.017708	2	16			
Input #5	Accepted	0.017495	2	16			
Input #6	Accepted	0.01724	2	17			

C) GeekforGeeks

The screenshot displays the GeekforGeeks website interface. The browser's address bar shows the URL: `geeksforgeeks.org/problems/largest-element-in-array4009/1?page=1&difficulty=Basic&sortBy=submissions`. The page features a dark-themed sidebar on the left with navigation links: **Problem**, **Editorial**, **Submissions**, and **Comments**. The main content area is divided into two sections. The left section, titled **Compilation Results**, shows a green checkmark indicating the problem was solved successfully. It displays the following statistics: **Test Cases Passed: 1115 / 1115**, **Attempts: Correct / Total: 1 / 1**, **Accuracy: 100%**, **Points Scored: 1 / 1**, and **Time Taken: 0.49**. Below these statistics, there are buttons for **Solve Next** with options like **Last index of One**, **Pairs with Positive Negative values**, and **Repeated IDs**. The right section is a code editor showing a Python3 solution for the 'Largest Element in Array' problem. The code is as follows:

```
1 class Solution:
2     def largest(self, arr):
3         # Code here
4         return (max(arr))
5
6
```

At the bottom of the code editor, there are buttons for **Custom Input**, **Compile & Run**, and **Submit**. The bottom of the browser window shows the Windows taskbar with the search bar and various application icons. The system clock indicates the time is 21:59 on 24-11-2023.

D) Leet Code

The image displays two screenshots of the LeetCode website, illustrating a common pitfall in solving the 'Two Sum' problem.

Top Screenshot: Wrong Answer

The user is viewing a submission for the 'Two Sum' problem. The input is `nums = [3, 2, 3]` and `target = 6`. The expected output is `[0, 2]`, but the user's code returned `null`. The code shown is:

```
class Solution:
    def twoSum(self, nums: List[int], target: int) -> List[int]:
        for i in range(len(nums)-1):
            if nums[i] + nums[i+1] == target:
                return [i, i+1]
            break
```

The test result shows 'Wrong Answer' with a runtime of 0 ms. The input for the test case is `nums = [3, 2, 4]` and `target = 6`.

Bottom Screenshot: Accepted

The user is viewing the problem description for 'Two Sum'. The problem states: 'Given an array of integers `nums`, and an integer `target`, return indices of the two numbers such that they add up to `target`. You may assume that each input would have **exactly one solution**, and you may not use the same element twice. You can return the answer in any order.'

Example 1: `Input: nums = [2, 7, 11, 15], target = 9`
`Output: [0, 1]`
`Explanation: Because nums[0] + nums[1] == 9, we return [0, 1].`

Example 2: `Input: nums = [3, 2, 4], target = 6`
`Output: [1, 2]`

Example 3: `Input: nums = [3, 3], target = 6`
`Output: [0, 1]`

The user's code is the same as in the top screenshot, but the test result shows 'Accepted' with a runtime of 0 ms. The input for the test case is `nums = [2, 7, 11, 15]` and `target = 9`.

Recent post on LinkedIn-

The screenshot shows a web browser window with multiple tabs open, including 'Home - Figma', 'divyavikash620', 'Free AI Design Generator - De...', and '(21) Post | Feed | LinkedIn'. The address bar shows the URL 'linkedin.com/feed/update/urn:li:activity:7398751239603146752/'. The LinkedIn interface is in dark mode. The top navigation bar includes the LinkedIn logo, a search bar, and icons for Home, My Network, Jobs, Messaging (13), Notifications (8), Me, For Business, and Learning. On the left sidebar, there is a profile card for Divya Vikash, a CSE Student at Lovely Professional University, with 33 profile viewers and 107 post impressions. The main content area displays a post by Divya Vikash, a CSE Student, posted 13 hours ago. The post text reads: "Hello World." "For most programmers, it's the first line of code. For me, it marks the beginning of a new phase of life—not just printing text, but stepping into a world where logic, resilience, and curiosity shape who I become. Over the past few months as a first-year CSE student, I've realized something important: learning to code isn't a linear path. It's a cycle of falling, retrying, and rebuilding. My favorite example? A CodeChef problem that I failed five times straight. Each wrong submission was frustrating—but the sixth attempt? Pure adrenaline. That moment reminded me why I call myself an Active Explorer: I don't give up until the logic makes sense. Here's what I've been building so far: • Hard Skills I'm Actively Developing Mastered Linux fundamentals through hands-on wargames (security + system skills). Building real projects with HTML, CSS, and JavaScript—not just reading theory. Comfortable with Python, using it for problem-solving and automation. Diving deep into C++ internals this December to strengthen my foundation. • Beyond the Code When I'm not battling segmentation faults or debugging scripts, I'm usually: Breaking down story arcs and character logic in web series Watching cricket or anime to recharge and stay grounded Because being a developer is great—but being human matters more. • The Road Ahead This is my Zero to One journey." A 'Boost' button is visible above the post. On the right sidebar, there is a promoted post for LG Electronics VS Company, encouraging users to follow for mobility insights. The bottom of the screen shows a Windows taskbar with various application icons and a system tray indicating the time as 10:36 on 25-11-2025.

Home - Figma x divyavikash620 x Free AI Design Generator - De... x (21) Post | Feed | LinkedIn x +

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Divya Vikash Premium
First, solve the problem. Then, write the code.
CSE Student | Developing Skills in C++, Python & Core CS | Logic & Problem-Solving
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Post impressions 107
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CSE Student | Developing Skills in C++, Python & Core CS | Logic & Problem-Solving
13h •

"Hello World."

For most programmers, it's the first line of code. For me, it marks the beginning of a new phase of life—not just printing text, but stepping into a world where logic, resilience, and curiosity shape who I become. Over the past few months as a first-year CSE student, I've realized something important: learning to code isn't a linear path. It's a cycle of falling, retrying, and rebuilding.

My favorite example?
A CodeChef problem that I failed five times straight. Each wrong submission was frustrating—but the sixth attempt? Pure adrenaline.

That moment reminded me why I call myself an Active Explorer: I don't give up until the logic makes sense.

Here's what I've been building so far:

- Hard Skills I'm Actively Developing

Mastered Linux fundamentals through hands-on wargames (security + system skills). Building real projects with HTML, CSS, and JavaScript—not just reading theory. Comfortable with Python, using it for problem-solving and automation. Diving deep into C++ internals this December to strengthen my foundation.

- Beyond the Code

When I'm not battling segmentation faults or debugging scripts, I'm usually: Breaking down story arcs and character logic in web series Watching cricket or anime to recharge and stay grounded Because being a developer is great—but being human matters more.

- The Road Ahead

This is my Zero to One journey.

LG Promoted
LG Electronics VS Company
Divya, follow LG for mobility insights. Get the latest updates on future mobility.
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ENG IN 10:36 25-11-2025

MOOC Registration:-

The image displays two screenshots of the upGrad Learning Platform interface.

Top Screenshot: User Profile

The browser address bar shows `learn.upgrad.com/my-profile`. The upGrad logo is in the top left, and navigation links for **Learn**, **Live**, and **Discussions** are in the top center. The user's profile is shown on the right, with a yellow circular avatar containing the initials "DV". The profile name is **Divya Vikash**, and the program name is **Data structures & Algorithms - Series I**. Below the program name are buttons for **Streak (1)**, **Leaderboard (0)**, **Badges (0)**, and **Activity Details**. On the left, a sidebar lists various profile sections: **Important Details**, **Program Info**, **Learning Preference**, **Location & contact**, **Aspirations**, **Professional**, **Education**, and **Professional Deep Dive**. A **Profile Progress** bar shows 14% completion.

Bottom Screenshot: Course Page

The browser address bar shows `learn.upgrad.com/course/903`. The upGrad logo is in the top left, and navigation links for **Learn**, **Live**, and **Discussions** are in the top center. The course title is **Data Structures & Algorithms**, and it is labeled as **Course 1 of 1**. The course status is **Yet to start**, with **39h 35m left**. A **Track your progress** button is visible. The **MODULES OVERVIEW** section lists the following modules:

- Welcome & Introduction** (Due Date: 31 Dec '26, 11:59 PM (IST))
- Algorithm Analysis** (Due Date: 31 Dec '26, 11:59 PM (IST))
- Searching & Sorting Algorithms** (Due Date: 31 Dec '26, 11:59 PM (IST))
- Arrays & Linked Lists** (Due Date: 31 Dec '26, 11:59 PM (IST))

The **Welcome & Introduction** module is expanded, showing a **Continue Learning** button and a **Yet to start** status with **0m left**. The **Algorithm Analysis** module is also expanded, showing a **Yet to start** status with **0m left**.