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PORTFOLIO

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

COMPUTER SCIENCE AND ENGINEERING

Submitted By:

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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

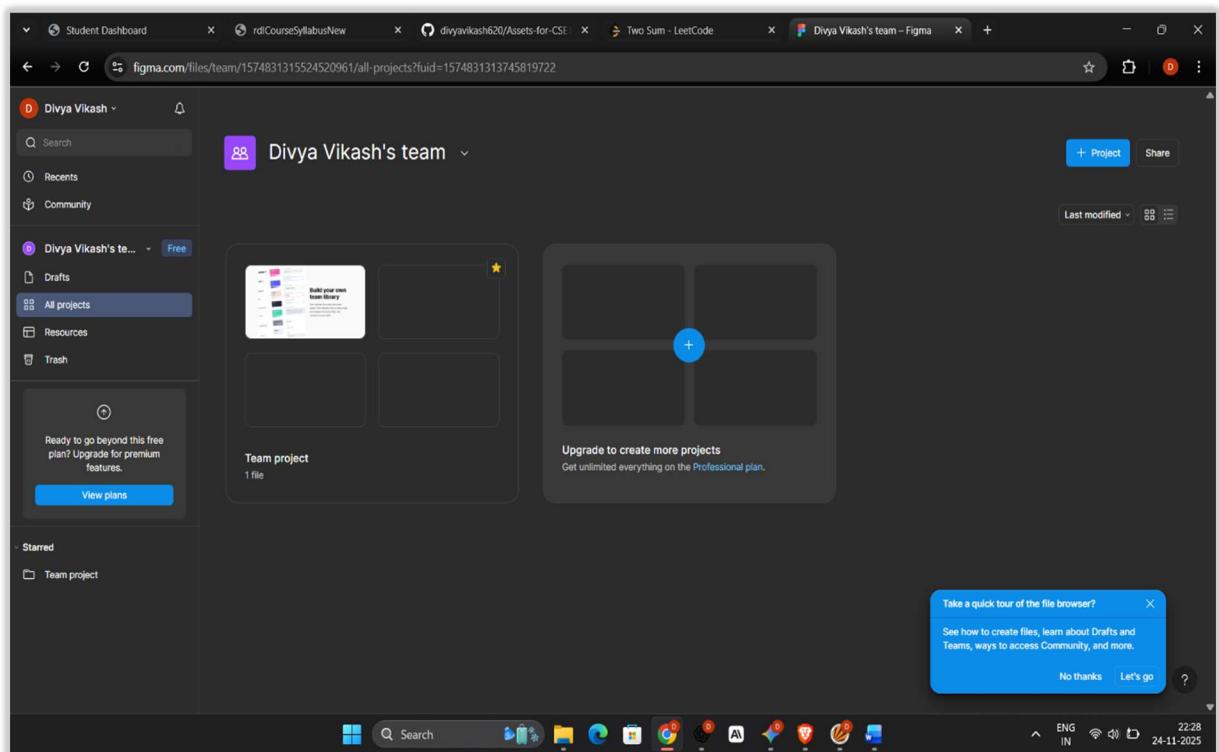
I, Divya Vikash, a student of Bachelor of Technology under CSE discipline at Lovely Professional University, Punjab, hereby declare that all the information furnished in this project report is based on my own work and is genuine.

Name: Divya Vikash

Registration No: 12508977

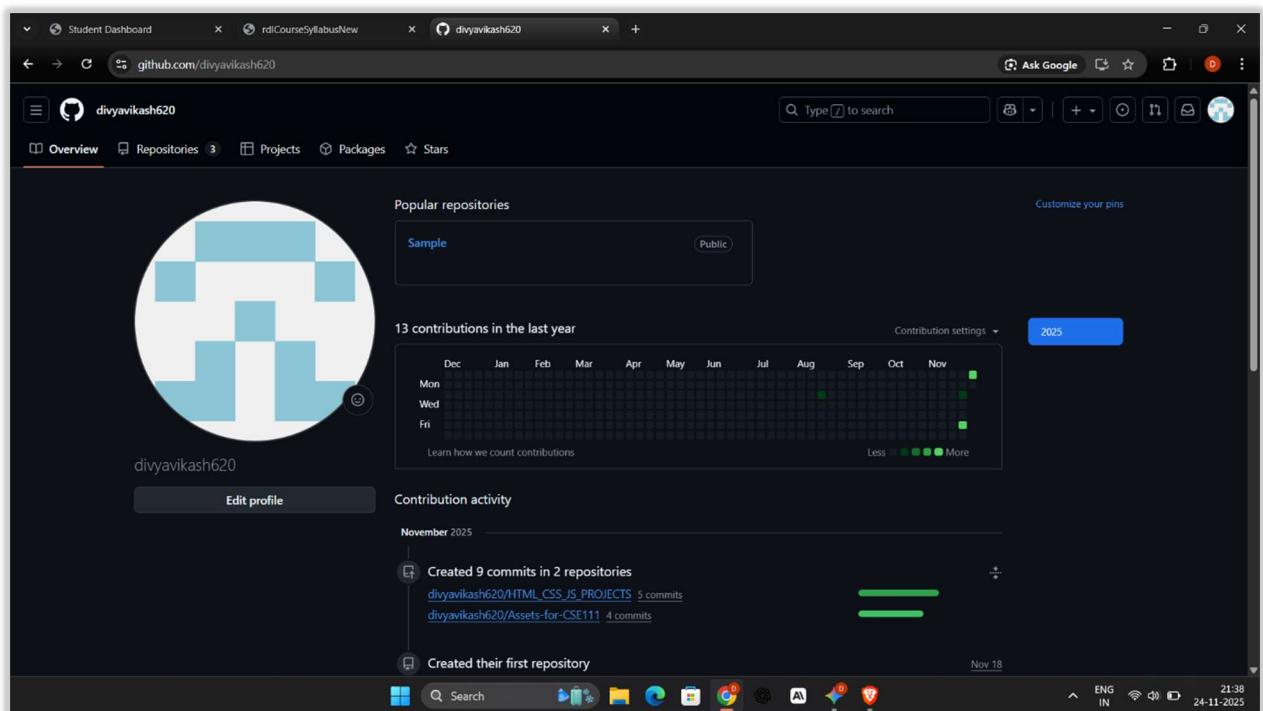
Platforms for profile creation	LINK TO STUDENT PROFILE	Page number
Figma	https://www.figma.com/files/team/1574831315524520961/recents-and-sharing?uid=1574831313745819722	4
Leet code	https://leetcode.com/u/M1OloOtwZB/	10
Stack overflow	https://stackoverflow.com/users/31899795/divya-vikash	6
Hacker Rank	https://www.hackerrank.com/profile/divyavikash620	7
Hacker Earth	https://www.hackerearth.com/@divyavikash620/	8
Geeks for Geeks	https://www.geeksforgeeks.org/user/divyavik48hv/	9
Github	https://github.com/divyavikash620	5
LinkedIn	https://www.linkedin.com/in/divya-vikash-518776384/	11
Figma Logo	https://www.figma.com/design/DoljiRaPGjgodT5aFKL4cB/logo?node-id=0-1&p=f&t=2ZWw5yERh5oF5Oxq-0	12
CV	cv_with_photo.pdf	13
Technical mooc registration proof	https://learn.upgrad.com/course/903	20
Activity		14-19

1. Figma



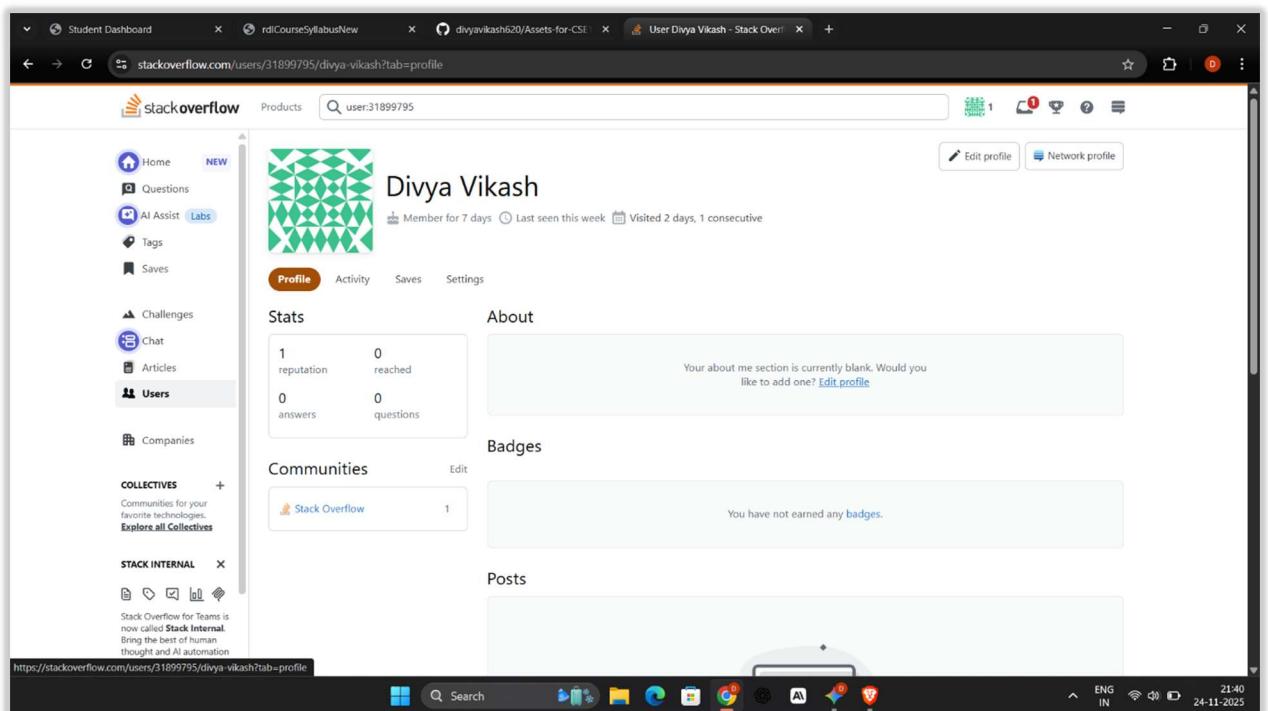
<https://www.figma.com/files/team/1574831315524520961/recents-and-sharing?uid=1574831313745819722>

2.Github



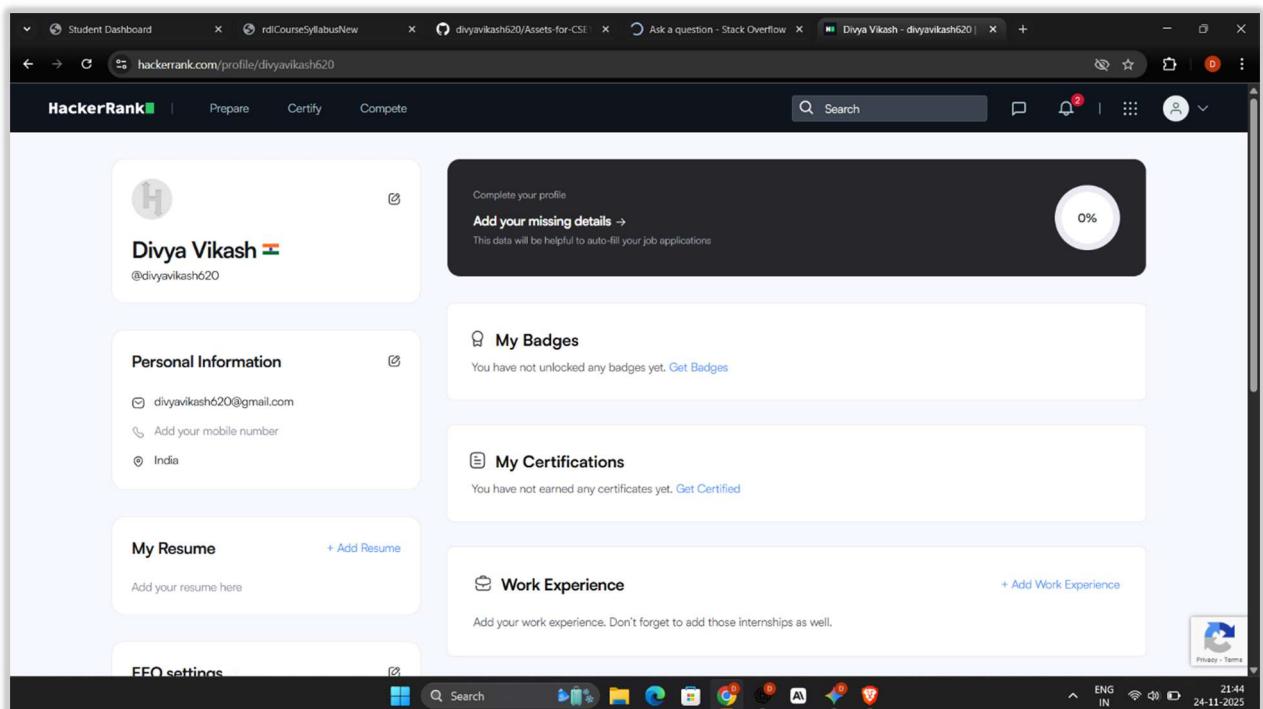
<https://github.com/divyavikash620>

3.Stack Overflow



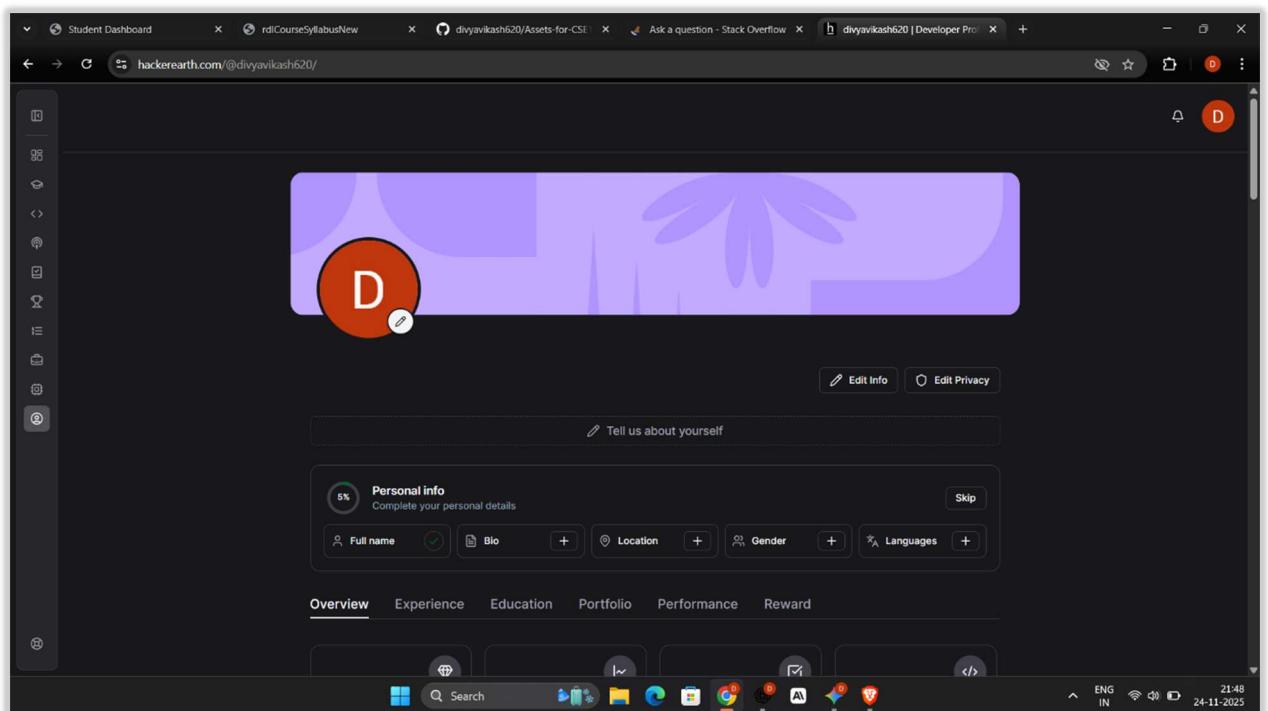
[https://stackoverflow.com/users/31899795/divya-vikash](https://stackoverflow.com/users/31899795/divya-vikash?tab=profile)

4. Hacker Rank



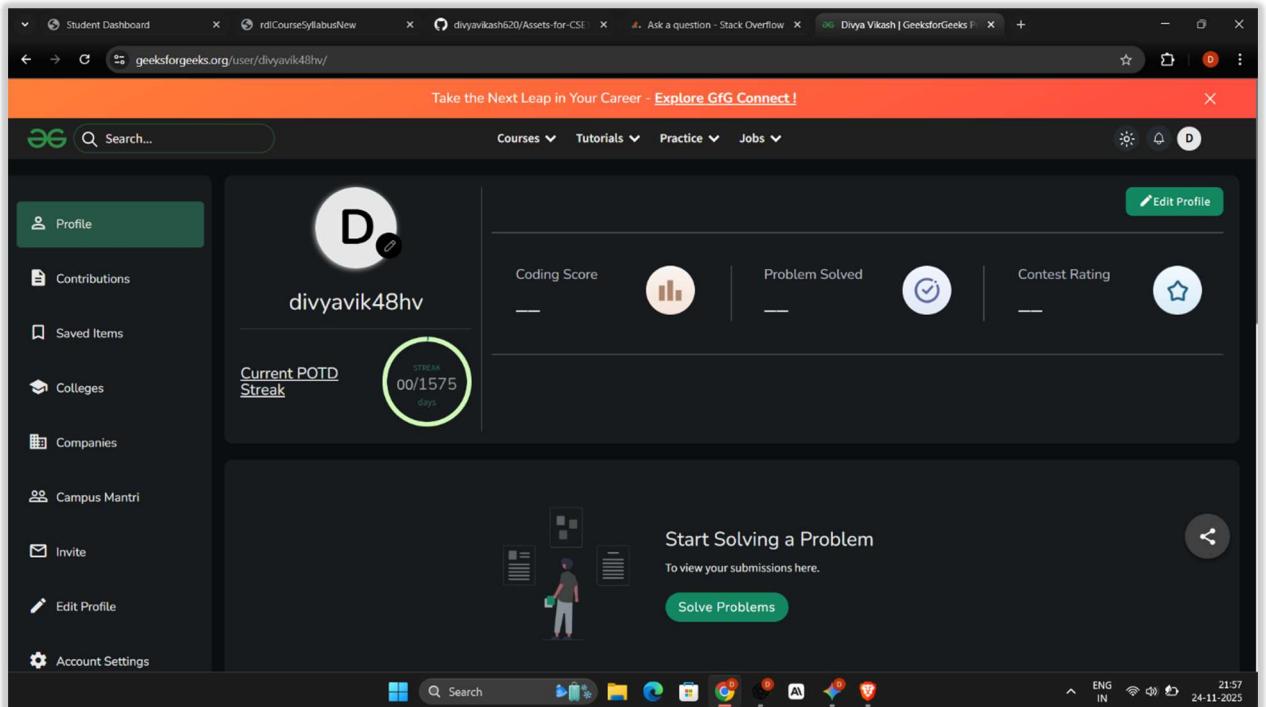
<https://www.hackerrank.com/profile/divyavikash620>

5. Hacker Earth



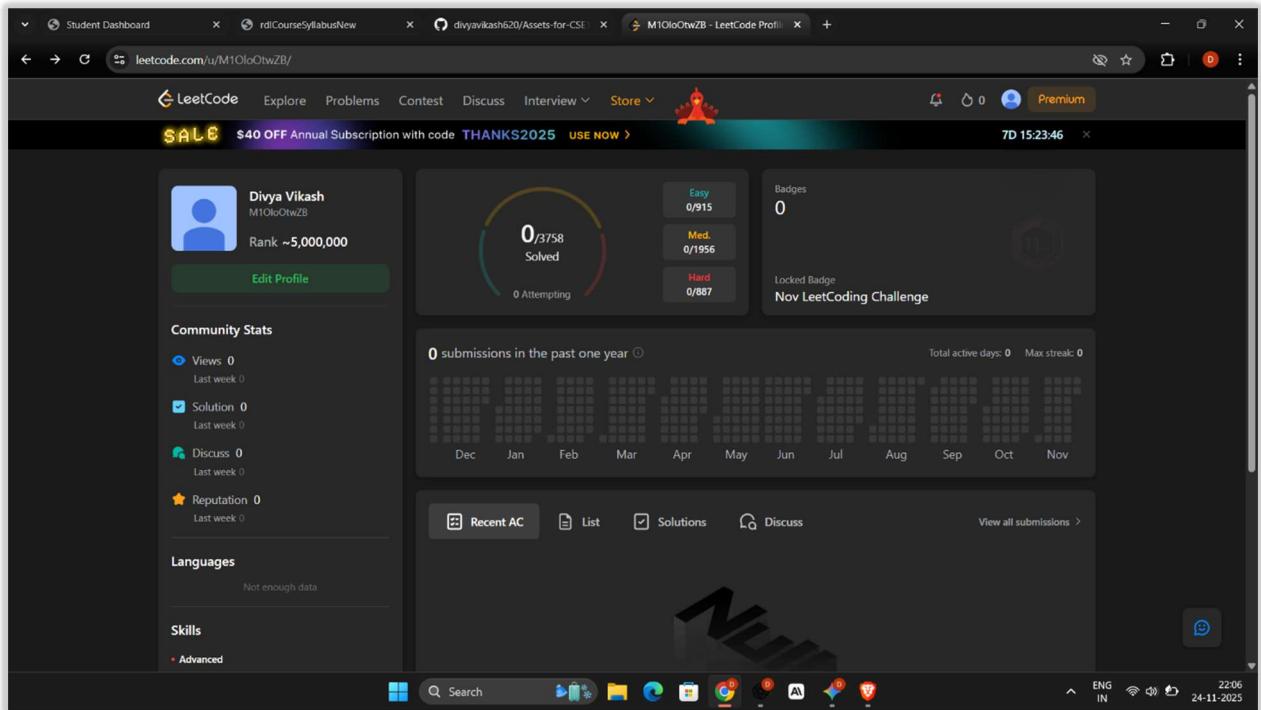
<https://www.hackerearth.com/@divyavikash620/>

6. GeeksforGeeks



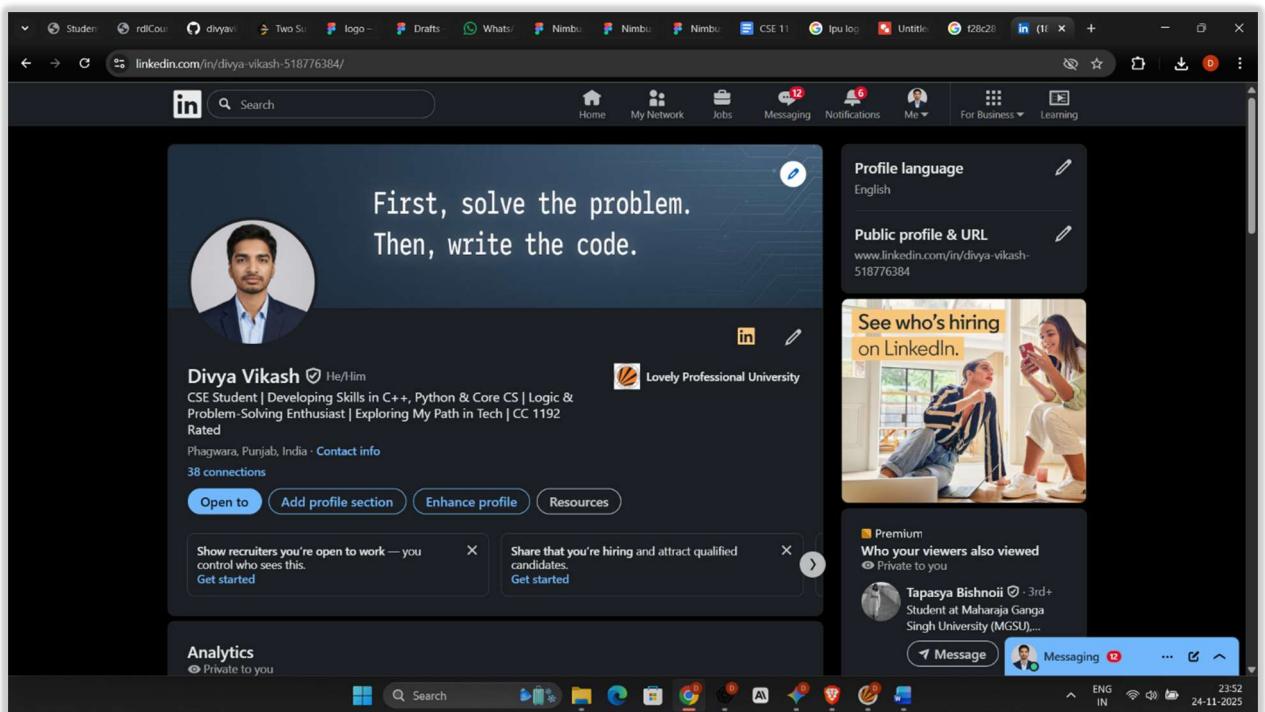
<https://www.geeksforgeeks.org/user/divyavik48hv/>

7. LeetCode



<https://leetcode.com/u/M1OloOtzb/>

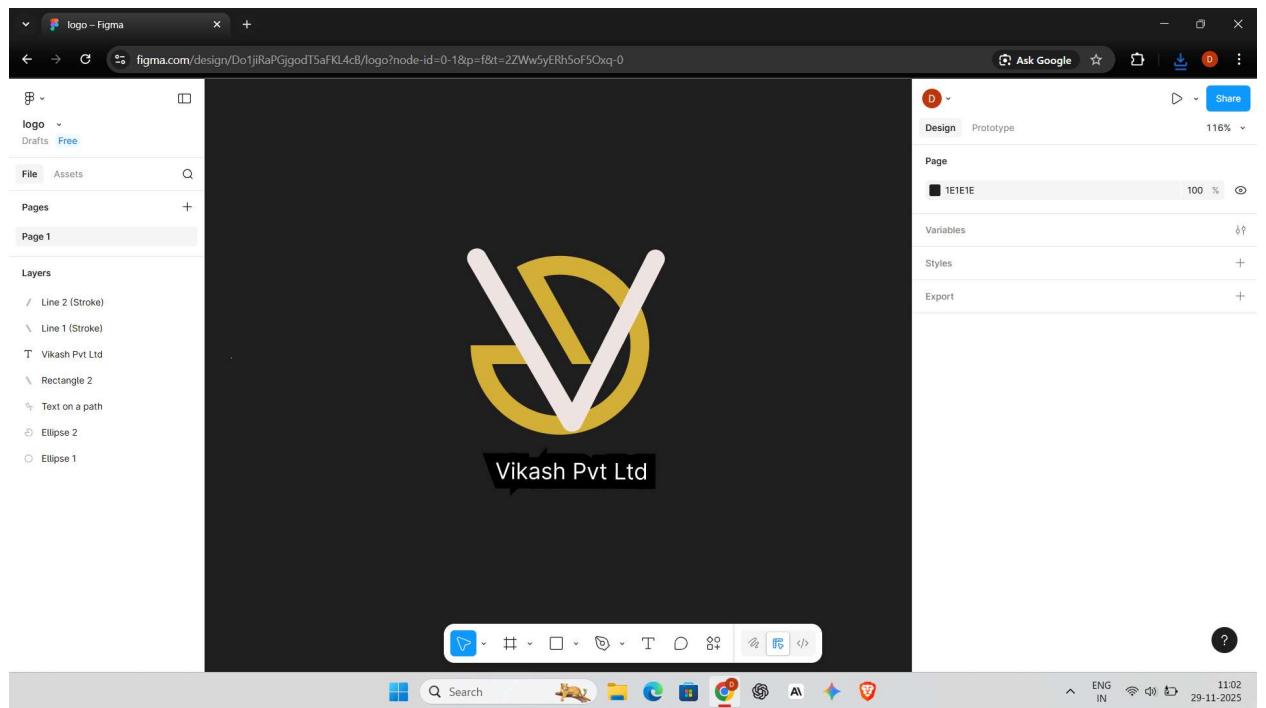
8. LinkedIn



<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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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

The image shows two side-by-side screenshots of GitHub repository pages. Both are private repositories owned by 'divyavikash620'.

Top Repository: HTML_CSS_JS_PROJECTS

- Code:** main · 1 Branch · 0 Tags
- Commits:** 5 Commits (by divyavikash620)
 - 01.bg-video: Background Video Project Added (3 days ago)
 - 02.loading-animation: Loading Animation Added (3 days ago)
 - 03.custom-scrollbar: Added (3 days ago)
 - 04.image-hover-effect: Added (3 days ago)
 - README.md: first commit (3 days ago)
- README:** HTML_CSS_JS_PROJECTS
- About:** No description, website, or topics provided.
- Packages:** No packages published. Publish your first package.
- Languages:** HTML 58.8%, CSS 41.6%

Bottom Repository: Assets-for-CSE111

- Code:** main · 1 Branch · 0 Tags
- Commits:** 4 Commits (by divyavikash620)
 - adventure game: Currency Converter Added (yesterday)
 - Currency-Converter: Currency Converter Added (yesterday)
 - README.md: first commit (yesterday)
 - g.py: adventure game (yesterday)
 - g_enhanced.py: adventure game (yesterday)
 - hangman.py: Hangman Added (yesterday)
- README:**
- About:** No description, website, or topics provided.
- Packages:** No packages published. Publish your first package.
- Languages:** Python 72.0%, CSS 16.2%, HTML 5.9%, JavaScript 5.9%

2. Solved problems on the various platforms assigned-

A) HackerRank

The screenshot shows the HackerRank challenge interface for the problem "Say \"Hello, World!\" With C++".

Challenge Details:

- Objective:** This is a simple challenge to help you practice printing to `stdout`. You may also want to complete [Solve Me First](#) in C++ before attempting this challenge.
- Problem:** We're starting out by printing the most famous computing phrase of all time! In the editor below, use either `printf` or `cout` to print the string `Hello, World!` to `stdout`.
- Output Format:** Print `Hello, World!` to `stdout`.
- Sample Output:** `Hello, World!`

Code Editor:

```
1 #include <iostream>
2 #include <cstdio>
3 using namespace std;
4
5 int main() {
6     printf("Hello, World!");
7     return 0;
8 }
```

Feedback:

You have earned 5.00 points!
You are now 5 points away from the 1st star for your c++ badge.

Congratulations: You solved this challenge. Would you like to challenge your friends? [Facebook](#) [Twitter](#) [LinkedIn](#) [Next Challenge](#)

Test Case 0: Success

Input (stdin)	Expected Output	Download
1	1 Hello, World!	Download

System Status: ENG IN 21:46 24-11-2025

B) Hacker Earth

The screenshot shows two instances of a HackerEarth problem page for a challenge titled "Is Zoo".

Top Instance (Left):

- Problem Statement:** 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**.
- 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:** zzzoooooooo
Sample Output: Yes
- Time Limit:** 0.5
Memory Limit: 256
Source Limit:

Bottom Instance (Right):

- Code Editor:** Enter your code or Upload your code as file. Language: Python 3 (python 3.10)
- Code Snippet:** (Copied from the image)

```
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")
```
- System Status:** 3:20 vscode, ENG IN 21:55 24-11-2025
- Test & Results:**
 - Test against custom input:** (button)
 - Compile & Test code:** (button)
 - Submit code:** (button)

Submission ID: 123174223

RESULT: Accepted				Refer judge environment
Score	Time (sec)	Memory (KiB)	Language	
20	0.10539	2	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			
- System Status:** 3:20 vscode, ENG IN 21:55 24-11-2025

C) GeekforGeeks

The screenshot shows a browser window with multiple tabs open, including the GeeksforGeeks Practice page. The main content area displays a solved problem with the following details:

- Test Cases Passed:** 1115 / 1115
- Attempts:** Correct / Total: 1 / 1
- Accuracy:** 100%
- Points Scored:** 1 / 1
- Time Taken:** 0.49
- Language:** Python3
- Code:** class Solution:
def largest(self, arr):
code here
return (max(arr))

The interface includes sections for "Output Window", "Compilation Results", "Custom Input", and "Y.O.G.I. (AI Bot)". There are also buttons for "Custom Input", "Compile & Run", and "Submit". The status bar at the bottom shows system icons and the date/time: 24-11-2025.

D) Leet Code

The screenshot shows two instances of the LeetCode 'Two Sum' problem being solved in Python3.

Top Window (Wrong Answer):

- Description:** Wrong Answer 47 / 63 testcases passed
- Input:** nums = [3,2,3], target = 6
- Output:** null
- Expected:** [0,2]
- Code:**

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

- Test Result:** Wrong Answer Runtime: 0 ms
Case 1: Passed
Case 2: Failed
Case 3: Passed

Bottom Window (Accepted):

- Description:** 1. Two Sum
- Input:** Given an array of integers `nums` and an integer `target`, return indices of the two numbers such that they add up to `target`.
- Output:** You may assume that each input would have **exactly one solution**, and you may not use the **same element twice**.
- 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]

- Code:**

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

- Test Result:** Accepted Runtime: 0 ms
Case 1: Passed
Case 2: Passed
Case 3: Passed

Recent post on LinkedIn-

The screenshot shows a LinkedIn feed with two main posts. On the left, a post by **Divya Vikash** is displayed. The post features a profile picture of a man, a headline "First, solve the problem. Then, write the code.", and a bio: "CSE Student | Developing Skills in C++, Python & Core CS | Logic &... Phagwara, Punjab". It also mentions "Lovely Professional University". Below the bio, there are metrics: "Profile viewers 33", "Post impressions 107", and "Premium benefits". The post content discusses learning to code as a cycle of failing, retrying, and rebuilding, sharing favorite examples from CodeChef and personal anecdotes about battling segmentation faults. On the right, a promoted post by **LG Electronics VS Company** is shown. It features the LG logo, the text "Promoted", and a headline "Hello World.". The post content is a general message about the start of a new phase of life. At the bottom of the LinkedIn interface, there are notifications for Adam Smith and messaging from Harpuneet, along with system status icons.

MOOC Registration:-

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

Screenshot 1: User Profile

The top screenshot displays the user's profile page. The header reads "upGrad Data structures & Algorithms - Series I". The main area shows "Divya's Profile" with a progress bar at 14%. To the right is a yellow circular icon with "DV" and the name "Divya Vikash". Below it, the program name is "Data structures & Algorithms - Series I". Buttons for "Streak (1)", "Leaderboard (0)", "Badges (0)", and "Activity Details" are visible. On the left, a sidebar lists profile sections: Important Details, Program Info, Learning Preference, Location & contact, Aspirations, Professional, Education, and Professional Deep Dive.

Screenshot 2: Course Overview

The bottom screenshot shows the course overview for "Data Structures & Algorithms". It indicates "Course 1 of 1". The main module is "Module 1: Welcome & Introduction" with a due date of "31 Dec '26, 11:59 PM (IST)" and "Submissions: none". A green button says "Continue Learning". Below this is "Module 2: Algorithm Analysis" with the same due date and submission status. The "MODULES OVERVIEW" section lists four modules: "Welcome & Introduction", "Algorithm Analysis", "Searching & Sorting Algorithms", and "Arrays & Linked Lists", each with a due date of "31 Dec '26, 11:59 PM (IST)". The system status bar at the bottom shows "ENG IN" and the date "25-11-2025".