

Esha Dey

[Leetcode](#) | [LinkedIn](#) | [HackerRank](#) | [GitHub](#) | [Mail](#)

EDUCATION

LOVELY PROFESSIONAL UNIVERSITY

B. tech Computer Science and Engineering **CGPA:**7.33

Relevant Coursework: • OOPs • Java

Phagwara, India

August 2022-July 2026

ST. STEPHEN'S SCHOOL, HABRA

ISC **SCORE:**78.5%

West Bengal, India

June 2021-April 2022

ST. STEPHEN'S SCHOOL, HABRA

ICSE **SCORE:**80.5%

West Bengal, India

June 2019-April 2020

PROJECTS

PLAY WITH LISTS

[GitHub](#)

December 2022

- Developed a Python program to track updates in student marks and analyse rank changes.
- Inputs: Lists of student names, marks, and updates.
- Outputs: Identifies the student with the highest marks post-update and calculates rank jump.
- Key functionalities: Data processing, rank calculation, result display.
- Showcases proficiency in Python, data manipulation, and algorithmic problem-solving.
- Technology: Python

ONLINE ENTERTAINMENT HUB

[GitHub](#)

December 2022

- Created an online entertainment hub similar to Netflix.
- Features: Movies, music, podcasts, and more.
- Designed as a look-alike of platforms like Netflix and Amazon Prime.
- Showcases front-end development skills in web design and user interface.
- Technology: HTML, CSS, JavaScript

FITNESS CLUB MANAGEMENT SYSTEM

[GitHub](#)

September 2024

- Developed a system to help a club owner manage customer records.
- Features: Stores customer details (name, mobile number, BMI, address, date of joining, package details) and retrieves them.
- Tracks membership details like joining date, package type, and training period.
- Demonstrates skills in data management and record handling.
- Technology: C language

IMPLEMENTATION OF SORTING ALGORITHMS

[GitHub](#)

September 2024

- Objective: Implemented Quick Sort, Merge Sort, and Heap Sort from scratch.
- Compared the algorithms on time complexity, space complexity, and execution time across various datasets.
- Focused on performance analysis and optimization.
- Demonstrates algorithm implementation and comparative analysis skills.
- Technology: C++

SKILLS

Programming Languages: Java, C++, C, Python, HTML, CSS, JavaScript
Tools: GitHub
Platforms: Windows, Linux
Power Skills: Teamwork, Time management, Adaptability

CERTIFICATES

6-Week Live Internship in Data Structures and Algorithms <ul style="list-style-type: none">By Techvanto Academy, New Delhi	Techvanto June 2024-July 2024
Data Structures and Algorithm <ul style="list-style-type: none">By IAMNeo platform	IAMNEO Platform Jan 2023-May 2023
Object Oriented Programming <ul style="list-style-type: none">By IAMNeo platform	IAMNEO Platform Jan 2023-May 2023

EXTRACURRICULAR

Breakthrough Science Society – As a volunteer with the Breakthrough Science Society in Kolkata, West Bengal, a key role was played in promoting scientific literacy and fostering a deeper understanding of science. A pivotal contribution was made in organizing a science competition for school students in the region, focusing on several important areas:

Raising Awareness: The initiative helped highlight the significance of Darwin's theory of evolution in education, addressing concerns over its potential removal from the NCERT syllabus. This effort underscored the importance of scientific principles in shaping education policy.

Engaging Students: By organizing the competition, a valuable platform was provided for students in Kolkata and surrounding areas to explore scientific concepts, encouraging the development of critical thinking and problem-solving skills.

Community Outreach: The involvement in this project contributed significantly to the NGO's outreach efforts, promoting scientific knowledge and engagement within the local community.

These efforts likely had a positive impact, not only on the students who participated but also on the broader community, enhancing scientific awareness and literacy in the region.