

# Sweta Bhattacharya

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<https://github.com/darth-Vader1729>

## EDUCATION

**National Institute of Technology, Jamshedpur**

*Bachelor of Technology | CGPA : 7.88*

Jharkhand, India

*Nov 2022 – Jun 2026*

**Hill Top school, Telco Colony, Jamshedpur**

Class-12th | Percentage : 94.6 || March 2022

Jharkhand, India

Class-10th | Percentage : 93.6 || March 2020

## PROJECTS

**REAL-TIME PEOPLE TRACKING AND COUNTING ON JETSON NANO:** | [View Project](#) | May 2024

- Developed a real-time people tracking and counting system using SSD-Mobilenetv2-coco for object detection, coupled with SORT (Simple Online and Realtime Tracking) for accurate tracking.
- Integrated with Jetson Nano for efficient deployment and optimized model performance with TensorRT to achieve real-time processing.
- Global state management with Zustand
- Tech Stack : **Jetson Nano, TensorRT, Python, OpenCV, TensorFlow, SSD, SORT**

**REAL TIME CHAT APP:** | [Source Code](#) | [View Project](#) |

2024

- Real-time messaging with Socket.io; Authentication and with JWT
- Online user status (Socket.io and React Context)
- Global state management with Zustand
- Tech Stack : **MERN + Socket.io + TailwindCSS + Daisy UI**

## EXPERIENCE

**TATA MOTORS- Summer Intern** — [View Certificate](#)

May-Jun 2024

- **ENGINE DIVISION** : Gained hands-on experience in manufacturing systems and industrial automation.
- **ELECTRONICS LAB**: Real-Time People Tracking and Counting on Jetson Nano.

## SKILLS

- **Programming Languages**: Java, Python, C++, C
- **Machine Learning**: TensorFlow, Keras, OpenCV, Matplotlib, NumPy
- **Web Development**: HTML, CSS, Bootstrap, MySQL, UI-UX , MERN stack– **TOOLS**: Git, Github, Postman
- **CS Fundamentals**: DSA, OS, OOPS, Computer Networking, DBMS

## ONLINE CERTIFICATIONS AND ACHIEVEMENTS

- **Cloud Computing**: Certified by Google [View Profile](#)
- **Java Fundamentals** : [View Certificate](#)
- **Web Dev Fundamentals**: [View Certificate](#)
- **5 star at HackerRank** (Java, Problem Solving) **4 star** in C [View Profile](#)
- **College Topper** for the month of February in Code Studio [View Badges](#)
- Solved **400+** questions on various CP Platforms.

## PROFILES

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- [Codeforces](#) | [HackerRank](#) | [GFG](#) | [Leetcode](#) | [Coding Ninjas](#)

## POSITIONS OF RESPONSIBILITY

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- **Innovation department** of **Team Phoenix** , **NIT Jamshedpur**: Worked on developing highly efficient model aircraft, played an active role in organising various events.
- **Member** of **Aahwan**, Dramatics Club, NIT Jamshedpur
- **Member** of **FACES**, Fine Arts Club, NIT Jamshedpur