

# Subhajit Chakraborty

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## EDUCATION

<b>Vellore Institute of Technology</b>   BTech in Computer Science	Expected 2026
• CGPA: 8.11	
<b>Nirala Junior College, Nagpur</b>   XII (HSC)	2021 - 2022
• Percentage: 86.67%	
<b>Sri Guru Harkrishan Public School, Nagpur</b>   X (CBSE)	2019 - 2020
• Percentage: 92%	

## TECHNICAL SKILLS

**Programming:** Java, SQL, JavaScript, HTML5/CSS3

**Frameworks and Libraries:** React.js, Node.js, Express.js

**Databases:** MySQL, MongoDB

**Developer Tools:** Git, GitHub, IntelliJ IDEA, VS Code

## PROJECTS

### Food Ordering Website | [GitHub](#)

July 2025

- Developed a full-stack Food Ordering Platform using the MERN stack (React, Vite, Node.js, Express, MongoDB) to manage end-to-end food ordering operations efficiently.
- Built secure JWT-based authentication and implemented role-based access control for both user and admin dashboards, ensuring data privacy and controlled access.
- Designed and deployed RESTful APIs for product management, shopping cart, and order processing, integrating Stripe Payment Gateway for a seamless checkout experience.

### Policy Insurance Website | [GitHub](#)

Feb 2025

- Developed a full-stack Policy Insurance Management System using PHP, MySQL, HTML5, and CSS3, improving efficiency in policy registration and management processes .
- Engineered secure user authentication modules with input sanitization, form validation, and password hashing to safeguard user data and enhance system reliability.
- Implemented role-based access control (RBAC) to manage user privileges effectively, ensuring data confidentiality and preventing unauthorized access.

### Disease detection in apple plant using AI | [GitHub](#)

Feb 2024

- Accelerated plant disease diagnosis from hours to seconds through efficient computer vision algorithms processing 50+ images per minute.
- Led 5-member team in curating 1,200+ diverse leaf image dataset, expanding sample variety by 35%.
- Fine-tuned model accuracy reducing false positive rates by 27% for production agricultural deployment.

## POSITION OF RESPONSIBILITY

### Edu4U Club | Event Management and Planning **Co-lead**

Aug 2024 - Present

- Successfully led the planning and execution of two major events with 200+ attendees during college fest, along with multiple other club events.
- Streamlined team operations for 20+ volunteers, reducing setup and logistics time by an estimated 25% across four club and college events.
- Improved event efficiency by delegating tasks and streamlining communication across cross-functional teams.

## ACHIEVEMENTS AND ACTIVITIES

- Secured Global Top ~1% (Rank around 600/80,000+) in the Amazon ML Challenge 2025 by engineering a robust price-prediction model trained on a 1.5L+ dataset.
- Participated in **10+ hackathons** and technical competitions (e.g., CodeVita, Smart India Hackathon) over **3 years**, applying knowledge of algorithms, data structures and AI.
- Solved 400+ DSA problems across LeetCode (1416 rating), HackerRank, and Codeforces.
- Hobbies:** Cricket, Chess, Football, Badminton.