Subhajit Chakraborty

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EDUCATION

Vellore Institute of Technology | BTech in Computer Science   Expected July 2026
- CGPA: 8.11

Nirala Junior College, Nagpur | XII (HSC)   2021 - 2022
- Percentage: 86.67%

Sri Guru Harkrishan Public School, Nagpur | 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 a 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 Team **Co-lead**   Aug 2024 - Nov 2025
- Led planning and execution of two major events with 400+ attendees during the 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.

ACHIEVEMENTS AND ACTIVITIES

- Secured Global Top ~1% (Rank ~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 (CodeVita, Smart India Hackathon, etc.) over 3 years, applying knowledge of algorithms, data structures and AI.
- Solved 400+ DSA problems across LeetCode (1416 rating), HackerRank, and Codeforces.
- Led the college team to **1st place** in the Inter-College Cricket Tournament (10+ competing teams), managing player strategy and guiding the team to **six match wins**.
- **Hobbies:** Cricket, Chess, Football, Badminton, Valorant.