

Ambuj Kumar Maurya

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SKILLS

- **Languages:** JavaScript, Java, Kotlin
- **Frameworks & Libraries:** React, HTML, CSS, Tailwind CSS,
- **Backend & APIs:** Node.js, Express.js, MySQL, MongoDB, REST APIs
- **Core CS Fundamentals:** DSA, OS, CN, OOPs
- **Tools & Platforms:** Git, GitHub, VS Code, Android Studio
- **Skills:** Problem-Solving, Teamwork & Collaboration, Adaptability, Quick Learner

PROJECTS

Tima – AI Powered Academic Timetable Scheduler | [GitHub](#) Dec 2025

- Developed a full-stack academic timetable scheduling system to automatically generate conflict-free timetables based on faculty availability, subjects, rooms, and sections.
- Designed a modern, responsive, and user-friendly interface using React and Tailwind CSS, while managing backend services with Node.js, Express.js, and MongoDB for secure data handling.
- Implemented role-based authentication using JWT, real-time timetable generation updates with Socket.io, and validation logic to prevent faculty, room, and time-slot conflicts
- **Tech stack:** React.js, Node.js, Express.js, MongoDB, JavaScript, Tailwind CSS

Library Management System | [GitHub](#) Jul 2025

- Developed a Java based system to manage book records with add, delete, issue, and return operations.
- Implemented DSA concepts including linear search, binary search, and sorting for fast book lookup.
- Implemented role-based workflows for admin and student users with structured data views for information access.
- **Tech stack:** Java, VS Code

Real-Time Process Monitoring System | [GitHub](#) Apr 2025

- Developed a real-time system monitoring platform with live tracking of CPU usage, memory consumption, and active system processes.
- Built a clean and interactive frontend using HTML, CSS, and JavaScript, enabling users to view live system metrics through dynamic visual updates.
- Designed and optimized backend services in Python with REST APIs for efficient data streaming and reliable communication between system processes and UI.
- **Tech stacks:** HTML, CSS, JavaScript, Python, REST API, JSON

TRAINING

Cipher Schools (Software Company) Jul 2025

- Completed training in DSA using Java, covering essential data structures, algorithms, and problem-solving techniques, and strengthened fundamentals through hands-on coding and implementation of key concepts.
- Developed a small library book tracker as part of the training, applying DSA concepts through operations like searching, sorting, and efficient data handling to reinforce problem-solving skills.
- **Tech stack:** Java, VS Code

CERTIFICATES

- React Skill Certification by HackerRank | [Link](#) Feb 2026
- Node Skill Certification by HackerRank | [Link](#) Feb 2026
- Master Generative AI & Generative AI tools by Infosys | [Link](#) Aug 2025
- Data Structure And Algorithms by Cipher Schools (Java) | [Link](#) Jul 2025
- Java Programming by NeoColab | [Link](#) May 2025

ACHIEVEMENTS

- Secured a Top 100 position in the IIT Bhubaneswar Frontend Hackathon and received the Final Merit Certificate.
- Solved 100+ coding problems across LeetCode, HackerRank, and other competitive programming platforms, strengthening problem-solving skills.

EDUCATION

- **Lovely Professional University** Punjab, India
Bachelor of Technology - Computer Science and Engineering: 6.59 Aug 2023 – Present
- **S.N Public School** Lohandi, Mirzapur
Intermediate; Percentage: 78 Apr 2021 - Mar 2022
- **S.N. Public School** Lohandi, Mirzapur
Matriculation; Percentage: 85.4 Apr 2019 - Mar 2020