

Lalit Kumar Sharma

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Education

Indian Institute of Information Technology, Senapati

Nov 2022 – May 2026

Bachelor of Technology in Computer Science

CPI: 8.21

Experience

QuickIntell

Oct 2025 – Nov 2025

Full Stack Developer Intern

- Validated **250+ API endpoints** across **5 full-stack projects** using **Postman** – created comprehensive test collections covering authentication, authorization, edge cases, and error handling workflows.
- Executed data quality testing using **Flowise AI** and manual verification – validated generated datasets across multiple modules, ensuring data accuracy and module-level correctness for production deployment.

Centre for Development of Advanced Computing (CDAC), Noida

Dec 2024 – Jan 2025

Ethical Hacking and Penetration Testing Intern

- Completed intensive **cybersecurity internship** under Government of India's **Cyber Gyan Project** — gained hands-on expertise in Ethical Hacking, Penetration Testing, Network Security, and Digital Forensics methodologies.
- Analyzed disk images exceeding **10GB** using forensic tools (**Autopsy, FTK Imager, EnCase**) – successfully recovered **150+ hidden and deleted files**, documented findings, and identified potential security vulnerabilities.

Projects

Job Application Portal | React.js, Node.js, Express.js, MongoDB, JWT, Socket.io, Cloudinary 🚀 | 🚀 Oct 2025

- Engineered a full-stack job portal with **custom JWT authentication** for 3 user roles – supporting **100+ job seekers** and **20+ recruiters** with job search, application tracking, and resume uploads via **Cloudinary**.
- Built recruiter dashboard managing **50+ job listings** and **200+ applications** – integrated **Socket.io** for real-time jobs update and interview scheduling, reducing recruiter response time by **60%**.
- Architected admin verification system processing **30+ company registrations** with credential validation (domain, website, CIN) – designed responsive UI with **Tailwind CSS** and **MongoDB** ensuring platform credibility.

Bookstore Application | MongoDB, Express.js, React.js, Node.js, JWT, Tailwind CSS 🚀

Dec 2024

- Constructed a full-stack bookstore platform with **JWT authentication** and **role-based access control** – implemented secure user registration, login, and session management with encrypted password storage using **bcrypt**.
- Integrated **Google Books API** and **Open Library API** to fetch **1,000+ books** – engineered advanced search functionality with real-time filtering by category, author, price range, and ratings for enhanced user experience.
- Integrated Saved Books feature using **MongoDB** for persistent storage – enabled users to bookmark selections and retrieve them across sessions, improving user engagement and platform retention.

Sorting Algorithm Visualizer | C++, Raylib, Multithreading, Data Structures 🚀

Jan 2024

- Built an interactive sorting algorithm visualizer in **C++** using **Raylib graphics library** – demonstrated Bubble Sort, Insertion Sort, and Quick Sort with real-time color-coded animations at **120 FPS**.
- Leveraged **multithreading** for smooth performance – added adjustable speed controls, pause/resume functionality, variable dataset sizes, and step-by-step execution mode for educational demonstrations.

Technical Skills

- Programming Languages:** Python, JavaScript, C++, C, SQL
- Frontend Technologies:** React.js, Next.js, HTML5, CSS3, Tailwind CSS, Redux, Context API, React Native
- Backend Technologies:** Node.js, Express.js, REST APIs, WebSockets, JWT Authentication
- Databases & Cloud:** MongoDB, MySQL, Cloudinary
- DevOps & Tools:** Git, GitHub, Linux, Postman, VS Code, npm, Vercel
- Coursework:** Data Structure & Algorithms, OOPS, DBMS, OS

Achievements/Certifications

- NPTEL – The Joy of Computing Using Python (Score: 85%, Jul–Oct 2024)**
- Secured 2nd Position in C.P. Competition – AHOUBA'24, IIIT Manipur (Apr 2024)**
- Solved 500+ Data Structures and Algorithms problems on LeetCode and GeeksforGeeks** – mastered concepts including Arrays, Trees, Graphs, Dynamic Programming, and Backtracking.