

Laxman Singh G

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Summary

Ambitious and performance-driven B.Tech Computer Science student at Reva University with strong foundations in Data Structures and Algorithms and hands-on experience in building full-stack applications using the MERN stack. Skilled in designing scalable, secure, and high-performance software systems while writing clean, production-ready code. Seeking entry-level opportunities as a Software Engineer to contribute strong problem-solving, coding, and performance-optimization skills.

Technical Skills

Languages: Java, Python, JavaScript.

Frameworks: React.js, Node.js, Express.js.

Databases and Tools: MongoDB, MySQL, Git, GitHub, VSCode, Postman.

Other: Tailwind CSS, REST APIs, DSA, OOP, Operating System, Computer Networks, DBMS.

Projects

Smart Study Scheduler | [Link](#)

- Engineered a scalable task scheduling platform enabling students to manage goals, track progress and optimize study sessions.
- Improved API response time by 32 percent through optimized MongoDB indexing and caching of frequently accessed user-progress queries.
- Reduced backend compute load by 18 percent by restructuring controller logic and eliminating redundant database calls.
- Designed secure JWT-based authentication with refresh token rotation, ensuring reliable access control across sessions.
- Tools Used: MERN, Tailwind CSS, Vercel, Render.

Accessibility Analyzer | [Link](#)

- Developed a full-stack web accessibility auditing tool that automates WCAG and ADA compliance testing for URLs and HTML inputs using Axe-Core.
- Built a real-time interactive dashboard to categorize and visualize accessibility issues with severity levels, visual highlights, and code-level fix recommendations.
- Increased defect identification accuracy by 41 percent via severity-wise grouping and HTML node-level highlight mapping.
- Implemented secure API design, rate limiting, and CORS handling for reliable multi-origin deployment.
- Tools Used: MERN, Axe-core, PDFKit, Vercel, Render.

Education

Reva University - B.Tech in Computer Science and Information Technology

Nov 2022 – June 2026

- CGPA: 8.79/10.0

Sheshadripuram PU College - Pre-University Course (Science, PCMC)

June 2020– June 2022

- Percentage: 93.5/100.0

Certifications

Data Structures and Algorithms in Java - Scaler Academy (2025).

Introduction to Cybersecurity - Cisco Networking Academy (2025).