

Charan Romi

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SUMMARY

I am a motivated and detail-oriented Undergraduate Software Engineer with hands-on experience in full-stack development, API design, and software testing. Proficient in JavaScript, Java, Python, and modern frameworks like React, Node.js, Express.js, and PHP Laravel. Experienced in developing enterprise solutions, optimizing system performance, and collaborating with cross-functional teams. Seeking opportunities to apply technical expertise and innovation in software development.

WORK EXPERIENCE

Intern Software Engineer

Trace Theory to Trade ([T2T](#)) - Colombo, Sri Lanka

June 2024 – December 2024

- Collaborated with a cross-functional team to develop a frontend feedback component for a digital logbook system, enabling mentors to review student activities and improving feedback quality by 30%.
- Designed and implemented a testing framework using Jest, achieving 95% test coverage, which increased system reliability by 20%.
- Built backend functionality for exporting bulk activity reports as excel sheets, streamlining data access for academic evaluations.
- Developed customizable template components for a forms management system, reducing form creation time by 40% for organizations.
- Worked closely with team members to develop robust APIs for user, organization, and template management, achieving a 99% success rate in CRUD operations.
- Integrated JWT-based authentication, enhancing platform security and usability.
- Designed an admin dashboard with analytics for an online bookstore system, boosting book inventory management efficiency by 50%.
- Partnered with stakeholders to gather requirements and ensure the solution aligned with business needs.

PROJECTS

E-Commerce Site

- Designed and developed a full-stack e-commerce application as a personal project enabling users to seamlessly browse, purchase products, and manage orders.
- Integrated cart functionality and order tracking to enhance user experience and streamline purchase management.
- Implemented secure user authentication and authorization using industry-standard practices, ensuring data protection and system integrity.

Healthcare Management System

- Developed a full-stack healthcare management application as an academic project enabling users to book appointments with doctors.
- Integrated a disease information system to increase disease awareness among users.

EDUCATION

Open University of Sri Lanka

Bachelor of Software Engineering Honors
2021 - 2025

- Expected Graduation – November 2025
- Relevant Coursework - Programming Languages, Web development, Data Structures and Algorithms, OOP, Computer and Network Security, Quality Assurance and Software Testing

SKILLS

- **Programming Languages:** Java, Python, JavaScript, C, C++
- **Web Development:** React, Next.js, Angular, Node.js, Express.js, PHP Laravel, Python Django, NestJs
- **Database Management:** MySQL, MongoDB, PostgreSQL, Prisma ORM, TypeORM
- **DevOps & Tools:** Docker, Git, Postman, Azure DevOps
- **Testing Frameworks:** Jest
- **IT Infrastructure and Networking:** Linux, Networking Basics, Virtualization tools
- **Soft Skills:** Strong communication, Problem-solving, Decision-making, Teamwork
- **Languages:** English(Proficient), Sinhala(Native), Japanese(Basic)