RAVINDU NIRMAN

Undergraduate | Software Engineer Intern

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SUMMARY

Motivated Computer Science undergraduate focused on software engineering and full-stack development. Skilled in building web applications, designing RESTful services, and working with modern frameworks. Experienced in Java, Spring Boot, React, and database-driven systems. Currently involved in research on blockchain-based auditing to strengthen secure data processing. Interested in applying engineering principles to create reliable, efficient, and scalable software.

EDUCATION

BSc. (Hons) in Computer Science and Technology   **2022 - 2026**
Uva Wellassa University, Sri Lanka

G.C.E. Advanced Level Examination   **2020**
Ananda Central College, Elpitiya
- Passed with B, C, and S Grades.

G.C.E. Ordinary Level Examination   **2017**
Ananda Central College, Elpitiya
- Passed with 7A's, B, and C Grades.

RESEARCH

Generalized Auditing System for Financial Transactions Using Blockchain   **2025 - Ongoing**
- Investigating weaknesses in traditional auditing systems and examining major sources of errors, inefficiencies, and data integrity issues.
- Carrying out expert interviews and reviewing academic and industry literature to understand current auditing practices across sectors.
- Analyzing collected insights using qualitative and comparative methods to identify the most critical vulnerabilities.
- Designing a generalized blockchain-based auditing framework that supports real-time verification, transparent record keeping, and secure data sharing.
- Contributing to framework architecture, prototype planning, and assessment of technical and practical feasibility.
- Preparing documentation related to system design, technology choices, and expected industry applications.

PROJECTS

MovieSphere - Movie Discovery & Management Platform   **2025**
- Full-stack movie app (React + Spring Boot) with JWT authentication, role-based admin controls, and TMDB integration.
- Responsive UI (Tailwind CSS/Bootstrap), movie CRUD operations, React Router navigation, and RESTful API integration.

PROJECTS

WoodWise (Furniture Store Management System) 3rd Year Group Project   **2025**
- Built a full-stack system using the MERN stack to manage store inventory and enhance customer experience.
- Developed inventory and order management modules.
- Implemented 3D model previews and AI-based furniture image generation.

RentIt (Online Renting Platform) 2nd Year Group Project   **2024**
- Developed a web application for renting and lending household items using React, PHP, and MySQL.
- Designed and implemented user dashboards and item listing modules.
- Integrated authentication and transaction tracking features.

TECHNICAL SKILLS

- **Languages:** Java, C, Python, JavaScript, Kotlin, PHP
- **Frameworks & Libraries:** Spring Boot, Node.js, React, Tailwind CSS
- **Databases:** MySQL, MongoDB
- **Tools & Technologies:** Git, JWT, REST APIs, Vite

SOFT SKILLS

- Teamwork
- Critical thinking
- Time management
- Effective communication
- Problem solving

CERTIFICATIONS

- **Learning Python -** LinkedIn Learning
- **Docker for Developers -** LinkedIn Learning
- **Node.js Essential Training -** LinkedIn Learning
- **Spring Boot 3 Essential Training -** LinkedIn Learning

REFERENCE

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