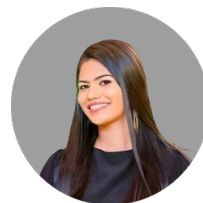


RUWINI THARANGA

Software Engineering Undergraduate

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Profile

Final-year **BSc (Hons) in Information Technology** undergraduate at the **University of Jaffna** with practical experience in designing, developing, and maintaining software applications. Strong foundation in **object-oriented programming, data structures, algorithms**, and **software engineering principles**. Experienced in working on academic and personal projects involving end-to-end application development, problem analysis, and solution implementation. A motivated and detail-oriented learner with strong **problem-solving** and **analytical skills**, effective **communication abilities**, and a proven ability to **collaborate in team environments**. Seeking a **Software Engineer Internship** to apply theoretical knowledge in real-world projects while gaining industry-level development experience.

Technical Skills

- **Programming Languages:** Java, JavaScript, Python, C, C++
- **Web Technologies:** HTML, CSS, JSP, Tailwind CSS
- **Frameworks & Libraries:** Spring, Spring Boot, React, React Native, Node.js, Express.js
- **Database Technologies:** MySQL, MongoDB
- **API Development:** RESTful API design, development, and integration
- **Tools & Technologies:** Git, GitHub, VS Code, Postman

Education

- **Bachelor of Science (Hons) in Information Technology** | University of Jaffna (2022 – 2026)
Current GPA: 3.77
- **Certificate Course in Java Application Development** | NIBM (2021 – 2022)
- **St. Paul's Girls' School – Milagiriya Colombo – 05** (2007 – 2020)
(A/L – Common Stream)

Projects

- **LuxStay** (October 2025 – Dec 2025)
AI-Powered Hotel Booking Platform
AI-based semantic hotel search, Secure Stripe payment gateway, User authentication & role management using Clerk, Real-time booking, Clean Architecture
Tech Stack: React · Redux · shadcn/ui · TypeScript · JavaScript · TailwindCSS · Node.js · Express.js · MongoDB · Git
[Github](#) | [Demo](#)
- **CodeReviewAI** (Dec 2025)
AI-Powered Code Analysis & Auto-Fix Platform
Analyze code for bugs, security issues, code smells, auto-fix common coding errors and anti-patterns, detailed code quality metrics, AI-powered recommendations, three-tier architecture
Tech Stack: React · Python (AI backend) · Spring Boot (middleware) · Git
[Github](#) | [Demo](#)
- **CampusCart Mobile App (Group Project)** (Nov 2024 – Apr 2025)
A mobile marketplace for University of Vavuniya students
Buy & Sell gently-used items, Lost & Found item reporting, Boarding accommodation listings, University ID validation using Python & PyTesseract OCR, User/Admin apps with JWT authentication
Tech Stack: React Native · Python · JavaScript · Node.js · Express.js · MongoDB · Git
[Github](#)

Volunteering

- Executive Committee Member – Membership Development Team, IEEE (2024)
- Member – Information Technology & Computing Society (ITCS)

References

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