RUWINI THARANGA

Intern – Software Engineer

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Profile

Final-year BSc (Hons) in Information Technology undergraduate at University of Jaffna with hands-on experience in **full-stack development**, **RESTful API development and integration**, and **Java and Python programming**. Passionate about software development with a strong foundation in OOP concepts, data structures, algorithms, and design patterns. Proficient in **Java**, **Spring Boot**, **JavaScript**, **React**, **React Native**, **Node.js**, **MongoDB**, and **MySQL**. A fast learner eager to adopt new technologies, with strong problem-solving and analytical skills, excellent communication abilities, and proven ability to collaborate effectively in team environments. Seeking a Software Engineer Internship to apply technical expertise and grow professionally in a dynamic development environment.

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

Soft Skills

- Strong problem-solving and analytical thinking abilities
- Excellent communication and interpersonal skills
- Proven team collaboration and cross-functional teamwork experience
- Fast learner with adaptability to new technologies and methodologies

Education

- **Bachelor of Science (Hons) in Information Technology** (current GPA: 3.77)
  University of Jaffna (2022 – 2026)
- **Java Application Development**
  National Institue of Business Management (NIBM) (2021 – 2022)

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.com/ruwini01/AI-Driven-Full-Stack-Hotel-Management-System.git | ai-driven-full-stack-hotel-manageme.vercel.app

- **CodeReviewAI** (Dec 2025)
  AI-Powered Code Analysis & Auto-Fix Platform
  - Analyze code for bugs, security issues, and code smells, Auto-fix common coding errors and anti-patterns, Detailed code quality metrics and insights, AI-powered recommendations for learning best practices, Three-tier architecture for scalability and maintainability
  - **Tech Stack:** React · Python(AI backend) · SpringBoot(middleware) · Git
  - github.com/ruwini01/CodeReviewAI.git | code-review-ai-six.vercel.app

- **CampusCart Mobile App (Group Project)** (May 2025 – Jan 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.com/ruwini01/CampusCart_Group05.git

Volunteering

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

References

Dr. S. Kartheeswaran
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