Dinithi Madushika

Software Engineer Intern

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About Me

Passionate software engineer with expertise in full-stack development using Spring Boot, React, and MySQL. Strong problem-solving skills and a fast learner with experience in building scalable applications.

Education

2022 – 2025 Matara	**Bachelor of Computer Science** *University of Ruhuna* • Coursework: Data Structures & Algorithms, Object Oriented Programming, Design Patterns, DBMS • **GPA: 3.73**
2012 – 2020 Mathugama	**C.W.W Kannangara Central College** • GCE A/L: B-Maths, B-Chemistry, B-Physics • GCE O/L: 7 A's, 2B's (A's including Maths, Science, English & IT)

Certificates

InspiHer{Tec} v2.0 ⬈ — │ Top 20 finalist in the InspiHER{Tec} v2.0 organized by the IEEE WIE student branch affinity group of SLTC

Tech Stack

Programming languages
• Java, C, C#, PHP, JavaScript

Frameworks & Libraries
• Spring Boot, React.js, Tailwind CSS

Databases
• MySQL

Other
• Git, Figma, Linux, HTML, CSS

Soft Skills
• Problem Solving, Analytical Thinking, Fast Learner, Teamwork, and Communication

Projects

Final Year Group Project ⬀

InstaLearn
- Centralized platform for managing tuition center operations
- **QR code–based attendance system** for fast and accurate tracking
- **Real-time dashboards** for admins and teachers to monitor key metrics
- Students and parents can **pay class fees online**
- Supports automated fee tracking and payment history for transparency
- Built-in **question pool management** for assessments and practice
- Teachers can set timetables and notices, visible to both students and parents
- Tracks individual student progress
- Provides parents with access to attendance records and academic performance
- Enables parents to monitor fee payments
- Simplifies communication between teachers, students, and parents through a single platform
- **Spring Boot | React.js | MySQL | Figma | Trello | Agile | JWT | Github**

Personal Development Project ⬀

LumoraTableBite
- Customers order directly from their table using restaurant's tablet
- Menu browsing and item selection done through a simple digital interface
- Bill updates automatically in real-time as items are added or removed
- Orders are sent instantly to the kitchen for preparation
- No waitstaff needed for taking orders, reducing delays and errors
- Customers can add more items at any time during the meal
- Notifications alert when food is ready or on the way
- Interface is intuitive and similar to familiar online ordering experiences
- **Spring Boot | React.js | MySQL | Figma | Github**

Personal Development Project ⬀

Student Dashboard
- Simple dashboard with basic CRUD operations.
- Enables adding new students to the system.
- Enables searching for students by ID.
- Provides functionality to update, delete, and view student information.
- **Spring Boot | React.js | MySQL | Github**

References

Mrs. M. A. L Kalyani, *Lecturer (Confirmed),* University of Ruhuna
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Mr. Malaka Pathirana, *Lecturer (Probationary),* University of Ruhuna
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