SULAKSHANA KALUGAMAGE

UNDERGRADUATE AT SLIIT CITY UNI

CONTACT

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in Linkedin Profile

◆ Github

TECHNICAL SKILLS

- **Languages:** Java , SQL , C ,
C++ , JavaScript , PHP , HTML ,
CSS
- **Frameworks & Libraries:** MERN
Stack,NEXT
- **Concepts:** Software Engineering Concepts,
Data Structures and Algorithms, Object-
Oriented Programming,Object-Oriented
Concepts, Agile,
UML Design, Database Design, ER,
EER
- **Development Tools:** Visual Studio, Eclipse,
MySQL workbench , MongoDB,
Microsoft Office(Word, Powerpoint) ,
Terminal (IOS) , GIT ,PowerBI , SQL Server

PROFILE

- Driven IT undergraduate with robust capabilities in software development and analytical problem-solving. Proficient in front-end technologies (React, HTML, CSS, JavaScript) and back-end frameworks (Node.js, Express, Java, SQL), with a keen emphasis on crafting intuitive, user-focused solutions. Highly adaptable and collaborative team member, adept at diagnosing and resolving complex technical challenges while enhancing system performance. Enthusiastic to secure a hands-on internship opportunity where I can contribute to building scalable, high-quality software.

EDUCATION QUALIFICATION

B.Sc. (Hons) in Computer Science
University of Bedfordshire | Mar 2024 – Present
Completed foundational coursework in Software Engineering, Data Structures & Algorithms, Databases, and Project Management.

CERTIFICATION

Dean's List Honoree – [Y1/S1]
Dean's List Honoree – [Y1/S2]
Dean's List Honoree – [Y2/S1]

- Amazon Junior Software Developer Professional Certificate (Coursera)
- Master Practical Java Development (Udemy – Imtiaz Ahmad)
- Algorithms, Part I (Coursera – Princeton University)

SOFT SKILLS

- Team Leadership
- Long Term Planning
- Team Work
- Time-Management
- Critical Thinking
- Work Ethic
- Interpersonal Skills
- Problem-Solving

LANGUAGES

- English (Intermediate)
- Sinhala (Native)

PROJECTS

Student Management System (MERN)
- Developed a full-stack web application using MongoDB, Express.js, React.js, and Node.js to manage student records, courses, and grades.
- Implemented RESTful APIs for CRUD operations, JWT-based authentication, and role-based access control (admin, teacher, student).
- Optimized NoSQL data schemas and indexing, resulting in a 30% improvement in query response times.

Pet Guessing Game (Android Studio; Java & Kotlin)
- Engineered an interactive Android app in Java and Kotlin, incorporating Android Studio, XML layouts, and Material Design components.
- Designed core game logic with randomization algorithms to generate pet profiles and implemented SQLite for local data persistence.
- Integrated unit testing with JUnit and instrumented UI tests, achieving 85% code coverage and streamlined QA cycles.

Yummy Food Delivery Website
- Built a responsive front-end using HTML5, CSS3, JavaScript, and Bootstrap, ensuring full mobile compatibility and a 95+ Lighthouse performance score.
- Developed a Node.js/Express backend with MongoDB for menu management, shopping cart, and order processing workflows.
- Integrated Stripe API for secure online payments and implemented real-time order status updates with WebSockets, enhancing customer satisfaction.

Ralahami.lk — Restaurant Ordering & Ops Platform
- Built a responsive Next.js (React + TypeScript) front end with Tailwind CSS, delivering smooth UX across mobile and desktop and strong Lighthouse scores.
- Implemented a Node.js/Express API with MongoDB (Mongoose) for menu/variants, reservations, cart/checkout, and full order lifecycle management.
- Added ingredient-level inventory (BOM) with low-stock alerts and supplier PO/GRN workflows to reduce stock-outs and wastage.
- Integrated Stripe (sandbox) + Cash-on-Delivery and enabled real-time order & KOT updates via Pusher (WebSockets) to improve transparency for customers and staff.
- Secured the platform with JWT (HTTP-only) RBAC for manager/cashier/kitchen/rider, plus audit logs, validation, and automated CI/CD deployments.

REFERENCES

ESHAN JAYAWEERA
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