

# Denuwan Yasanga

(Software Engineer Intern | Full Stack | Backend | Frontend | QA)  
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[GitHub](#) | [LinkedIn](#) | [Portfolio](#)

## PROFILE

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Motivated Information Technology undergraduate with hands-on experience across the full software development lifecycle, including frontend development, backend engineering, database design, and quality assurance testing. Experienced in building and testing real-world web and mobile applications using React, Node.js, Java, Python, SQL, and MongoDB.

Strong understanding of SDLC, REST APIs, CRUD operations, UI/UX principles, and manual testing practices. Adaptable team player with a problem-solving mindset and a passion for delivering reliable, user-focused software solutions.

Seeking a Software Engineering / QA / Full Stack Internship to apply versatile technical skills, gain industry exposure, and contribute to high-quality software products.

## EDUCATION

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BSc (Hons) in Information Technology (3Y 2S) Feb 2023-Present  
Sri Lanka Institute of Information Technology (SLIIT), Malabe, Sri Lanka

## PERSONAL PROJECTS

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Master Neon – Customize neon design sign Web Site ([masterneon.lk](http://masterneon.lk)) Jan 2026

- Developed a custom neon sign design system allowing users to create personalized text and logo designs, supporting **10+ customization options** including fonts, colors, and layouts
- Enabled users to generate and download **production-ready PDF files** with detailed specifications, reducing manual design effort by **50%**
- Designed and implemented a responsive, user-friendly interface used across **desktop and mobile devices**
- Built the application using **MongoDB, Express, React, and Node.js (MERN stack)**, ensuring scalable data handling and smooth user interactions

Student Management System Dec 2025

- Developed a backend system to manage **100+ student records** with full CRUD functionality
- Applied **object-oriented programming principles** and clean code practices to improve code maintainability and readability
- Implemented **Git and GitHub** for version control, managing **multiple feature updates** efficiently
- Built using **SQL, C#, and TypeScript**, delivering a simple and intuitive user interface

## UNIVERSITY PROJECTS

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OXY\_Fitness – Gym Management System Mar 2025

- Developed a comprehensive gym management platform supporting **multiple user roles** including admin, staff, and members
- Implemented features for **user registration, membership tracking, and workout scheduling**, improving operational efficiency
- Designed role-based access control to securely manage **member and staff data**
- Built using **React, Node.js, and MongoDB (MERN stack)** with modular and scalable architecture

## Budget Tracker – Financial Tracker App

Jul 2025

- Created a mobile application to track **daily income and expenses**, supporting **multiple transaction categories**
- Implemented local data storage to persist **100+ financial records per user**
- Designed and developed the app using **Android Studio**, focusing on usability and performance
- Built using **Kotlin, Java, and Shared Preferences** for efficient data management

## OXY FITNESS: AI-Powered Trainer App UI ([Prototype](#))

Jul 2025

- Designed a high-fidelity UI prototype consisting of **15+ screens**, including onboarding, workout plans, and progress tracking
- Applied **UI/UX principles** to improve navigation flow and user engagement
- Created interactive prototypes using **Figma**, demonstrating user journeys and app functionality
- Focused on **user interface design, UX prototyping, and graphical user interface (GUI) design**
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## TECHNICAL SKILLS

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- **Frontend:** React, HTML5, CSS3, Tailwind CSS , Responsive Design
- **Backend & APIs:** Node.js, Express.js, REST APIs
- **Databases:** MongoDB, MySQL, SQL Server, Firebase
- **Programming Languages :** Java, Python, JavaScript, C, C++
- **Testing Knowledge:** Manual Testing, Functional Testing, Regression Testing, Test Case Design, Bug Reporting, SDLC
- **Tools & IDEs :** Visual Studio Code, Android Studio, Figma, R-Studio, MySQL Workbench, Git
- **Concepts :** Backend Architecture, CRUD Operations, Authentication & Authorization, OOP, Database Design, Full Stack Development

## SOFT SKILLS

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**Teamwork | Time Management | Leadership | Problem Solving | Creativity | Communication**

## LANGUAGES

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- **English** ( Fluent )
- **Sinhala** ( Native )

## REFERENCES

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**Mr. Nelum Chathuranga,**  
Senior Lecturer,  
Faculty of Computing,  
Information Technology Sri Lanka Institute of Information Technology (SLIIT)  
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