J.K. Nethmi Umayanga Jayasingha

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About Me

I am a highly motivated and dedicated computing professional with a strong passion for technology, problem-solving, and innovation. Having completed my Higher Diploma in Computing and Software Engineering, I have gained solid knowledge in software development, web technologies, and system design. I am committed to continuous learning and eager to apply my skills to real-world challenges while contributing to impactful and forward-thinking IT projects.

Education

Cardiff Metropolitan University
Higher Diploma in Computing and Software Engineering - CMU
Completed: April 1,2024 -August 28, 2025

University of Moratuwa
Online Certification in Python - Python for Beginners
Completed: September,2025

Skills

Programming Languages & Technologies: HTML, CSS, JavaScript, PHP, MySQL, .NET, C++, C#, Kotlin, Java
Software Development Tools: Android Studio, Visual Studio, Firebase, SvelteKit, Tailwind, Chart.js
Soft Skills: Problem-solving, Communication, Teamwork, Time Management, Adaptability

Projects

- **• Upcountry Warriors Baseball Club Automation System (C++)**

Built a system to manage players, teams, and announcements with secure data handling. Enhanced communication between coaches, players, and parents through user-friendly interfaces.

- **• The Paws Shop Management System (Java)**

Created a management system with Manager and Cashier roles for inventory and transaction automation. Applied OOP principles and UML design for scalability, modularity, and secure file-based data storage.

- • **FitZone Fitness Center Web Application (HTML, CSS, PHP, MySQL)**

Designed a responsive platform for customers, trainers, and admins to handle bookings, memberships, and inquiries. Delivered intuitive dashboards with real-time validation and secure data management.

- • **LuxeVista Resort Mobile Application (Kotlin, Android Studio, Firebase)**

Developed a native Android app for resort guests to book rooms, reserve services, and manage profiles. Implemented secure authentication, validation, and password recovery to ensure a reliable user experience.

- • **Service-Oriented Computing (SOC) Solution – The GadgetHub (C#, .NET)**

Engineered a dropshipping system using .NET Core and Windows client apps, built on SOA principles. Developed modular services for orders, quotations, and product management via RESTful APIs, deployable with IIS/Docker.

- • **FiscAlign – Budget Simulation Tool Usability Study (SvelteKit, Tailwind, Chart.js)**

Conducted a usability study and built interactive financial data visualizations. Delivered a responsive web interface to improve accessibility and public engagement with budget simulations.

Personal Details

Date of Birth: 17/01/2004

Nationality: Sri Lankan

Location: Kandana, Sri Lanka

References

Aruna Shantha Saputhanthri - Former Assistant General Manager, Royal Fernwood Porcilain, Kosgama
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