

THUSARA DILSHAN DE SILVA

Software Engineering Undergraduate | Full-Stack & Mobile Developer

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PROFESSIONAL SUMMARY

Motivated Software Engineering undergraduate with a strong foundation in full-stack web and mobile application development. Proficient in designing and building responsive, scalable applications using Java EE, Flutter, Dart, PHP and JavaScript. Skilled in system architecture, relational database design, RESTful APIs and UI/UX design principles. An adaptable and analytical problem-solver eager to contribute to innovative, real-world software engineering projects.

EDUCATION

Ongoing	BSc (Hons) in Software Engineering (Top-Up) Cardiff Metropolitan University, in partnership with ICBT Campus, Sri Lanka
May 2024 – Nov 2025	Higher Diploma in Computing & Software Engineering Cardiff Metropolitan University / ICBT Campus, Sri Lanka <i>Focus: Mobile Application Development (Flutter & Swift), Database Management, Web Technologies</i>
May 2023 – Dec 2023	OTHM Diploma in Computing Technology ICBT Campus, Sri Lanka
	G.C.E. Ordinary Level Kottawa Dharmapala Maha Vidyalaya, Sri Lanka

TECHNICAL SKILLS

Programming Languages	Java, JavaScript, Dart, C++, C#, PHP, Kotlin, Swift
Web & Frontend	HTML5, CSS3, SCSS, React, JSP, AJAX, Responsive Design
Mobile Development	Flutter, Dart, Mobile UI/UX Design
Backend & Frameworks	Java EE (JAX-RS RESTful Web Services), PHP, GlassFish Server
Databases	MySQL, PostgreSQL, Relational Database Design, Real-Time Synchronization
Tools & Platforms	Git, GitHub, Visual Studio Code, OBS Studio, Microsoft Office
Soft Skills	Problem-Solving, Teamwork & Collaboration, System Architecture & Debugging, Communication

PROJECT EXPERIENCE

Smart Attendance System

AUTOMATED ATTENDANCE TRACKING & ADMINISTRATIVE MANAGEMENT | [GitHub](#)

- Implemented role-based dashboards tailored for Admins, Lecturers, Staff and Students.
- Integrated real-time database synchronization and facial recognition for automated attendance marking.
- Built payroll processing and automated salary calculation modules.

Sunrise Dental Clinic – Patient & Appointment Management System

FULL-STACK WEB APPLICATION | JAVA EE, JSP, MYSQL | [GitHub](#)

- Designed and built relational database schemas using MySQL hosted on a GlassFish application server.
- Developed backend RESTful API services using Java EE (JAX-RS) and Data Access Objects (DAO).
- Built an interactive frontend dashboard (JSP/HTML, JavaScript) for scheduling appointments and managing clinical records.

GreenLife Wellness Center

WELLNESS SERVICES WEB PORTAL | PHP, MYSQL, AJAX | [GitHub](#)

- Built an online appointment booking workflow with dynamic therapist assignment, service management and client inquiry handling.
- Implemented secure user authentication routines and real-time reporting using AJAX and PHP/MySQL.

GadgetHub Web

E-COMMERCE GADGET STORE WEB APPLICATION | C# | [GitHub](#)

- Developed a C# e-commerce web application for browsing and purchasing gadgets.
- Built product catalogue, shopping cart and order management features.
- Designed a relational database for products, customers and orders.

Pet Supply Management System

INVENTORY & MANAGEMENT SYSTEM | JAVA | [GitHub](#)

- Built a Java application to manage pet supply inventory and stock levels.
- Implemented modules for adding, updating, searching and tracking products.
- Applied object-oriented design for maintainable, well-structured code.

Orchid Flora Temperature Analyzing System

TEMPERATURE ANALYSIS FOR ORCHID CULTIVATION | C++ | [GitHub](#)

- Developed a C++ system to analyze temperature data for orchid cultivation.
- Processed readings to identify suitable growing conditions and detect deviations.
- Used modular C++ code for reliable data handling and calculations.

LANGUAGES

English – Professional Working Proficiency | **Sinhala** – Native / Full Professional Proficiency

REFERENCES

Available upon request.