Buddhi Withanage

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About Me

Motivated and detail-oriented Software Engineering student with a strong foundation in object-oriented programming, Java, and database systems. Experienced in full-stack development, problem-solving, and collaborative project work. Demonstrates a passion for continuous learning and a proven ability to deliver robust software solutions through practical project experience. Skilled in modern frameworks and tools, with a commitment to best practices in software engineering.

Education

Cardiff Metropolitan University(ICBT Campus) , Higher Diploma in Computing and Software Engineering — 2023 – 2025

Cardiff Metropolitan University(ICBT Campus) , BSc (Hons) Software Engineering — 2025-Present

Projects

Event Management System   github.com/EventManagement/repo

- Built a full-featured event management platform with a modern admin dashboard supporting complete CRUD operations. Enabled event organizers to create, manage, and track events with real-time analytics and user management.
- Tools Used: Java 17, Spring Boot 3.5.5, MySQL, React.js, RESTful APIs, Maven, Intelij IDEA

Little Bag Shop Management System   github.com/LittleBagShop/repo

- Developed a desktop inventory and user management application for a retail bag shop, utilizing OOP principles. Implemented role-based access (Cashier & Manager), secure user accounts, efficient bag search, and full CRUD functionality.
- Tools Used: Java OOP, Swing GUI ,Net Beans

Port Scanner System   github.com/PortScanner/repo

- Built a network port scanning tool with Python and Flask, enabling users to scan IP addresses for open ports via a web interface. Applied socket programming and basic cybersecurity practices for efficient scanning and reporting.
- Tools Used: Python, Flask, Socket, Supabase ,VS Code

Website for Music Shop   github.com/EcommerceWeb/repo

- Developed a full-stack web application for a music shop with product listing, search, shopping cart, and secure user authentication. Built responsive and reusable React components, integrated real-time database management and authentication with Supabase.
- Tools Used: React.js, Supabase, Supabase MCP, VS Code

Cycle Rental Shop Mobile Application

- Designed and implemented a mobile app using Kotlin to streamline cycle rentals, featuring real-time availability, customer registration, and rental history management. Integrated Room database for local storage and ensured smooth performance with efficient code design.
- Tools Used: Kotlin, Room Database, Android Studio

Technical Skills

Languages: Java, Spring Boot, React.js, HTML, CSS, JavaScript, Kotlin, C#, Python

Frameworks/Tools: JavaFX, Swing, Flask, Maven, RESTful APIs, Supabase, Android Studio, MySQL

Core Competencies: Object-Oriented Programming (OOP), REST API Development, Problem Solving, Data Structures & Algorithms