SACHITHRA INDRACHAPA

SOFTWARE ENGINEERING UNDERGRADUATE

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PROFESSIONAL SUMMARY

Motivated Software Engineering undergraduate specializing in full-stack and mobile development. Skilled in MERN stack, React Native, .NET, TypeScript, Kotlin, and REST API design, with hands-on experience in building scalable, user-focused web and mobile applications. Strong in problem-solving and collaboration, with a passion for developing efficient, secure, and high-quality software solutions.

PROJECTS

EcoTrack – Smart Waste Management System (MERN · React · Node.js · MongoDB)

Designed and developed a smart waste management platform with role-based access, real-time route tracking, automated issue management, and analytics dashboards for sustainable city operations.

OpenShelf – Mobile Digital Library (React Native · Supabase · TensorFlow Lite)

Developed a mobile digital library aligned with UN SDG 4, integrating AI-powered semantic search (TensorFlow Lite) and Supabase backend for real-time and offline learning access.

Xaphora Dress – E-Commerce Platform (MERN · React · Node.js · MongoDB)

Developed a responsive role-based e-commerce platform with secure authentication, admin dashboard, and AI-powered customer support chatbot.

CashBuddy – Personal Finance Manager (Kotlin · Android Studio · Room)

Designed and developed an Android finance app with offline data storage, transaction tracking, and category-based expense analysis, ensuring a smooth Material Design user experience.

Online Medicine Ordering System (Java · JSP · SQL · JavaScript)

Developed a web-based pharmacy system with secure user authentication, role-based access control, and responsive UI for seamless navigation.

BetterHelp Recruitment – Online Recruitment Service (HTML · CSS · PHP · MySQL)

Contributed to a recruitment platform by developing role-based dashboards with secure authentication, session management, input validation, and password recovery, and deployed the system locally with XAMPP.

TECHNICAL SKILLS

- Programming Languages: Java, Kotlin, JavaScript, TypeScript, C#, SQL, C, C++
- Frameworks & Libraries: MERN (MongoDB, Express.js, React, Node.js), React Native, .NET
- Databases: MongoDB, MySQL, Room (SQLite)
- DevOps & Cloud Tools: AWS, Git, GitHub, GitHub Actions (CI/CD), Docker (basics)
- Development Tools: Android Studio, Visual Studio Code, Visual Studio, Eclipse, MySQL Workbench, Figma

EDUCATION

Sri Lanka Institute of Information Technology (SLIIT)   (2023 – Expected 2027)
BSc (Hons) in Information Technology, Specialized in Software Engineering

Aquinas College of Higher Studies   June 2023, Jan 2025
English Language and Literature   (Hold 6 months because of acadamic studies)

CERTIFICATIONS

- MongoDB Node.js Developer Path – MongoDB University (Oct 2025)
- Getting Started with DevOps on AWS – AWS Training & Certification (Aug 2025)
- Build and Deploy APIs with a Serverless CI/CD – AWS Training & Certification (Aug 2025)

SOFT SKILLS

Problem-Solving | Teamwork | Time Management | Adaptability | Clear Communication | Self-Motivation