

GIHAN SANJAYA GAMAGE



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PROFILE

Undergraduate student in Computer Science with experience in software development, mobile application development, and academic research. I have built projects using Java, Spring Boot, Kotlin, TypeScript, and MySQL, including web and Android applications. I have a strong interest in Artificial Intelligence, Machine Learning, and Deep Learning, along with a passion for building practical, impactful software solutions and continuously improving my technical skills.

Experience

Trainee

Jul 2025 - Mar 2026

Student Services Division, University of Peradeniya

Supported administrative coordination and student services under the WSAP Program while contributing to internal web application development, documentation handling, and data management using Microsoft Excel and Word.

Volunteer & Community Leader

Apr 2025 - Present

STEMUP Educational Foundation

Supported educational outreach and community initiatives while coordinating volunteer activities and community engagement programs as a Community Leader.

PROJECTS

University Society Management System

Developed a university society management system using Spring Boot, TypeScript, and MySQL to streamline member management, event coordination, and administrative workflows.

University Field Visits Management System

Designed and developed a web-based field visit management system using Spring Boot, TypeScript, and PostgreSQL to streamline scheduling, approval workflows, and record management. Improved coordination between students and administrators by digitizing and automating the entire field visit process.

PDF Master | Android Application



Developed and published an Android application using Android Studio and Java. The application provides PDF-related utilities and was successfully released on the Google Play Store, demonstrating mobile application development and deployment experience.

GPA Master | Android Application

Developed an Android application for GPA calculation and academic performance management using Kotlin and Room Database. Designed and implemented core mobile application features using Android Studio with local data persistence support.

Akshara Keyboard | Android Application

Developed an Android keyboard application for Sinhala, Tamil, and English typing using Kotlin. Implemented phonetic typing (Singlish/Tanglish), standard layouts, and smart word prediction. Designed a modern UI with customizable themes, along with features like a built-in guide and clipboard manager for improved user experience.

Chocolate Eggs LMS | Web Application

Developed a multi-platform Learning Management System for children, parents, teachers, and school administrators. Implemented role-based access, academic content management, homework, quizzes, grading, attendance tracking, classroom communication, and safety alert features. Built using Laravel, Vue.js, and modern web technologies with secure API-based architecture.

EDUCATION

B.Sc.(Hons) in Computer Science | Undergraduate

2022 - Present

University of Peradeniya

SKILLS

Technical Skills

- Java, Python, C, C++, TypeScript, JavaScript, R, PHP, Kotlin
- MySQL, PostgreSQL, SQLite
- Spring Boot, Laravel
- Generative AI Tools
- Machine Learning, Deep Learning
- Android Studio, Adobe Photoshop, Adobe Illustrator, Filmora, DaVinci Resolve

Soft Skills

- Analytical Thinking
 - Communication
 - Problem Solving
 - Teamwork & Collaboration
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INTERESTS

- Graphic Design
- Video Editing
- Writing