Charutha Herath

S o f t w a r e   E n g i n e e r i n g   I n t e r n

I am an undergraduate at the University of Colombo, currently pursuing a Bachelor's degree in Information Technology. Additionally, I am enrolled in the GDSE program at IJSE, a two-year software engineering higher diploma. With a strong foundation in software development, I am passionate about designing scalable applications, optimizing system performance, and solving complex problems through innovative solutions.

Contact

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- 🐙 github.com/Charutha-Herath
- 📍 759, Hidellana, Ratnapura.
- 👤 charutha-herath.github.io/portfolio

Technical Skills

Programming Languages

- Java (Master)
- JavaScript
- Python

Frameworks

- React
- Spring Boot

Web & Mobile Development

- ReactJS
- React Native
- NodeJS
- Python Flask
- HTML
- CSS

Database

- MySQL
- MongoDB

IDE's

- IntelliJ IDEA
- VS Code
- Webstorm

Standalone Development

- JavaFX
- Java Swing

Version Controlling

- Git

Education

Bachelor of Information Technology   (2023 - Present)
University of Colombo School of Computing (UCSC)
CGPA: 3.08 (Upto Level 1 Semester 2)

Higher Diploma in Software Engineering   (2023 - Present)
Institute of Software Engineering (IJSE)
CGPA: 3.68 (Upto Level 2 Semester 1)

G.C.E. Advanced Level - 2021
Sivali Central College   Physical Science Stream

Projects

Medi Flow (Health Management System) - Circle Edge 2024

Medi Flow is a health management system designed to improve medical record accessibility for private medical centers and citizens. The platform enables secure storage, retrieval, and sharing of patient information, ensuring efficient communication between healthcare providers and patients. Developed for the Circle Edge Competition 2024 by the Innov8soft team, the system focuses on scalability, data security, and user-friendly interfaces. Built with Spring Boot and MySQL, it provides a robust backend for handling medical data while ensuring high availability and reliability.

- **Role: Full Stack Developer, UI/UX Designer**
- **Technologies: HTML, JavaScript, Spring Boot, MySQL, Bootstrap CSS**

Cric Manager (Sports Management System) - Semester 01 Software Project

Cric Manager is a standalone JavaFX-based sports management software developed to streamline cricket data handling. It allows sports organizations to manage player, coach, umpire, sponsor, and sponsorship records while tracking matches, tournaments, and financial summaries. The system ensures efficient record-keeping and provides a structured approach to managing cricket-related data. The backend, powered by MySQL, ensures data consistency and security, while the JavaFX UI offers an intuitive experience for users.

Build automation tools

- Maven
- Gradle

API Testing

- Postman

UI/UX Design

- Figma

Soft Skills

- Communication Skills
- Creativity & Problem Solving
- Time Management Skills
- Team Work
- Quick learning

Interests

- Web Development
- Back-end Development
- Mobile Development

Language

- Sinhala ★★★★★
- English ★★★★★

Referees

Mr.Yasendra Darshana
Senior Manager
Academic Affairs
Institute of Software Engineering

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Mr. Tharindu Danushka
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- **Role: Full Stack Developer, UI/UX Designer**
- **Technologies: JavaFX, MySQL, CSS**

○ **Green Shadow (Crop Management System) - Semester 02 Software Project**

Green Shadow is a farm management system designed to support mid-scale farms specializing in root crops and cereals. The system facilitates crop tracking, asset management, and farm expansion planning, ensuring an organized approach to agricultural operations. As the farm grows, Green Shadow helps maintain structured data records for better decision-making. Built with Spring Boot, it offers a secure and scalable backend, integrating JWT authentication for access control. The system enhances operational efficiency by providing an easy-to-use interface and real-time data management.

- **Role: Full Stack Developer**
- **Technologies: HTML, JavaScript, Spring Boot, JWT, MySQL, Bootstrap CSS**

○ **Portfolio Website**

This portfolio website serves as a digital resume, showcasing projects, skills, and professional experiences in a structured and interactive way. It provides visitors with insights into various projects, technical expertise, and a contact section for networking opportunities. With a clean, responsive design, the website ensures a seamless browsing experience across devices. Smooth animations and styling are implemented using AOS (Animate on Scroll) for enhanced visual appeal.

- **Role: Front End Developer**
- **Technologies: HTML, CSS , AOS**

Extracurricular Activities

○ **President** - IJSE Student Committee (2025 - Present)
○ **Vice President** - IJSE Student Committee (2024)
○ **Super Senior Prefect** Sivali Central College (2018 - 2019)
○ **Sports: Cricket, Athletics**

Achievements

○ **Circle Edge 2024 - Creative Software Solution - 2nd Place**
Team INNOV8SOFT

○ **Innovesta - 2023 - Participated**
Team Zyntech Solutions

○ **Sports achievements at provincial, and regional levels**