



Ravindu Rasanjana Herath

UCSC Undergraduate | BSc Information Systems

Contact

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Objective

BSc Information Systems undergraduate (GPA 3.55) specializing in full-stack development and IoT solutions. Proven ability to deliver production-ready applications using PHP, JavaScript, Kotlin, and MySQL. Seeking software development internship to leverage technical skills and customer service experience in building innovative solutions.

GitHub

github.com/Ravindu-Rasanjana

LinkedIn

linkedin.com/in/ravindurasanjana

Portfolio

github.io/Ravindu-Rasanjana

Languages

- English (Fluent)
- Sinhala (Native)
- Tamil (Basic)

Education

Bachelor of Science in Information Systems (Reading)
University of Colombo School of Computing 2024 to Present

Currently pursuing an undergraduate degree in computing, focusing on software development, information systems, and data-driven technologies. Gained strong foundational knowledge in programming, database design, and web application development while actively engaging in academic projects and extracurricular initiatives that demonstrate teamwork, leadership, and analytical problem-solving abilities.

Relevant Coursework:

- Data Structures and Algorithms
- Database Management Systems
- Object-Oriented Programming
- Web Technologies
- Software Engineering
- Computer Networks
- Human-Computer Interaction
- Mobile Application Development
- Systems Analysis and Design
- Information Security

Current GPA: [3.55 / 4.00]

Director's List: Semester 1 (2024)

Technical Skills

Programming Languages: PHP, JavaScript, Kotlin, HTML, CSS, SQL

Databases & Backend: MySQL, Database Design, Server-side Development

Mobile Development: Android (Kotlin), Android Studio

IoT & Hardware: Arduino, ESP32, Sensor Integration

Development Tools: Git, ADB, Visual Studio Code

Web Technologies: Full-stack Development, Responsive Design

Experience

Customer Service Representative

Star BPO Services Pvt. Ltd.

2023-2024

- Managed 30+ daily client communications regarding account updates and payment processing, maintaining a 95% customer satisfaction rating
- Resolved complex customer inquiries with an average 20-minute response time, ensuring timely issue resolution
- Collaborated with internal teams to streamline account management processes, improving payment punctuality by 15%
- Maintained detailed records of 500+ customer interactions using CRM software
- Demonstrated strong problem-solving skills by de-escalating challenging situations and finding win-win solutions
- Recognized by management as a performance benchmark and recommended as a role model for customer service excellence

Projects

Material Management System (Web App)

2024

- Developed a full-stack inventory management system using PHP and MySQL to automate materials tracking, order processing, and supplier management.
- Designed and implemented a normalized database schema.
- supporting complex relational queries.
- Created an intuitive user interface with HTML, CSS, and JavaScript, enabling real-time data updates and CRUD operations.
- Reduced manual data entry time through automated workflows and form validation.
- Technologies: PHP, MySQL, HTML5, CSS3, JavaScript.

Fitness Management System

2025

- Built a comprehensive fitness tracking web application following the MVC architecture pattern with user authentication, workout logging, and nutrition monitoring features.
- Implemented MySQL database with user profiles, exercise libraries, and progress tracking metrics.
- Developed responsive front-end interface using HTML5, CSS3, and JavaScript, ensuring mobile compatibility.
- Integrated PHP backend with API endpoints for secure session management and third-party API integration for fitness data.
- Features include goal setting, progress visualization, personalized workout recommendations, and full SDLC documentation
- Applied Agile methodology throughout development with iterative sprints, incorporating unit testing to ensure code reliability and maintainability.
- Technologies: PHP 7.4+, MySQL 8.0, JavaScript (ES6+), HTML5, CSS3, RESTful APIs, Figma

Activities

Student Welfare

2024-2025

- Elected as student representative, fostering collaboration and addressing academic and organizational concerns.
- Led and organized 10+ faculty events, demonstrating strong leadership, teamwork, and time management skills.
- Took initiative in planning and coordinating student engagement activities that enhanced participation and unity.

Clubs and Societies

2024-2026

- Served as a committee member of the UCSC Student Union, contributing to event planning, student representation, and enhancing communication between students and administration.
- Acted as Resource Manager at Rekha Music Circle, managing equipment, logistics, and resources to support smooth and successful musical events and practices.

IoT Crowd Density & Safety Monitor

2025

- Engineered an IoT-based monitoring system using Arduino and ESP32 microcontrollers to track real-time occupancy levels in enclosed spaces
- Integrated multiple sensors (ultrasonic, DHT22) to measure crowd density, temperature, and humidity.
- Developed a web dashboard displaying live data updates via WiFi connectivity and WebSocket communication
- Implemented an alert system that triggers notifications when occupancy or environmental thresholds are exceeded
- Applications: Event management, safety compliance, HVAC optimization
- Technologies: Arduino, ESP32, HTML/CSS/JavaScript, HTTP Protocol/MQTT Protocol

Text Editor Android App

2025

- Developed a feature-rich Android text editor application using Kotlin with syntax highlighting for multiple programming languages
- Implemented a file management system supporting create, open, save, and edit operations with local storage integration
- Integrated ADB compiler for in-app code execution and testing, streamlining the development workflow
- Designed a user-friendly interface following Material Design guidelines with customizable themes and editor settings
- Technologies: Kotlin, Android SDK, Android Studio, File I/O, ADB Integration