

# RASHMIKA LIYANAGE

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Colombo, Sri Lanka

## OBJECTIVE

Detail-oriented and innovative software engineering undergraduate with a strong foundation in designing, developing, and optimizing scalable software solutions. Experienced in full-stack development, database design, quality assurance principles, and UI/UX design. Seeking to leverage expertise in software development, problem-solving, and collaboration to drive efficient and high-quality software engineering solutions at a forward-thinking organization.

## EDUCATION

<b>Undergraduate BEng (HONS) Software Engineering with Industrial Experience</b> Informatics Institute of Technology, affiliated with University of Westminster	2023 – 2027
<b>G.C.E Advanced Level Examination (Arts Stream)</b> Result: Pass Private Candidate	2022 – 2023
<b>G.C.E Advanced Level Examination (Physical Science Stream)</b> Result: Pass Badulla Central College	2017 – 2020
<b>G.C.E Ordinary Level Examination</b> Result: Pass Badulla Central College	2012 – 2017

## PROJECTS

### • Post-harvest Farmer Buyer Network System

AgriMart is a mobile application designed to connect farmers and buyers within the agricultural ecosystem. It includes an AI-driven price prediction model for vegetables, achieving 93% accuracy. The application features a Django-based backend for handling CRUD operations and integrates Firebase for seamless data storage and retrieval. The Flutter-based frontend provides an intuitive user interface with smart notifications, enhancing transparency in the supply chain.

**Technologies:** Flutter (frontend), Django (backend), Firebase Firestore (database)

[Github Repo](#)

### • Real-Time Ticketing Simulation System

The Real-Time Ticketing Simulation System is an application that allows users to simulate a dynamic ticketing environment with concurrent user interactions and real-time data processing.

**Technologies:** Backend: Spring Boot, Frontend: React.js, Database: MySQL

[Github Repo](#)

### • Student Management System

A Java-based console application designed to manage student registration, academic records, and performance evaluation. It features structured ID validation, persistent data storage using text files, and report generation with grade calculations. The system also includes sorting algorithms (e.g., merge sort by name) and allows input of individual module marks.

**Technologies:** Java (File I/O, Custom Sorting, Exception Handling)

[Github Repo](#)

### • Personal Task Manager

A Python-based desktop application developed through iterative stages, starting from a basic command-line interface and evolving into a fully functional GUI. The system allows users to create, update, and organize tasks with persistent storage via JSON files. The final version implements a Tkinter interface and object-oriented design for better scalability and maintainability.

**Technologies:** Python (Tkinter, JSON)

[Github Repo](#)

## SKILLS

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- **Programming & Development**

**Programming Languages:** Python, Java, PHP, JavaScript

**Frontend Development:** React.js, Flutter, HTML, CSS, JavaScript

**Backend Development:** Django, Spring Boot, Laravel, Node.js

**Database Management:** MySQL, Firebase Firestore, Data Modeling, Database Design

**API Development:** RESTful APIs, API Testing

**Version Control:** Git, GitHub

**Testing & QA:** Unit Testing, Integration Testing, API Testing, UI Testing, Selenium basics, Test automation frameworks, Bug tracking systems, Defect lifecycle management

**Design & UI/UX:** Figma, User Interface Design, Responsive Design, User Experience Design, User-centered design approach

**Methodologies:** SDLC, STLC, Agile Testing, Test Design and Planning

**Other Tools:** JSON, Test management tools

- **Soft Skills**

Communication, Teamwork and Collaboration, Problem Solving, Empathy for Users, Fast Learning and Self-learning, Analytical Thinking

- **Language Skills**

**English:** Good in Writing and Speaking

**Sinhala:** Fluent in Writing and Speaking

## WORK EXPERIENCE

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**Customer Service Representative**  
**SLT Mobitel Sri Lanka**

**2022**  
**4 months**

- Developed strong problem-solving and analytical skills through troubleshooting customer issues
- Gained experience in defect identification and resolution processes
- Enhanced communication skills working with diverse stakeholders

## EXTRACURRICULAR ACTIVITIES

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- Member at IEEE - January 2024 to present
- Member at Leo Club - January 2024 to present
- School Prefect - 2014 to 2017
- School Under 19 Football team captain - 2018 to 2019

## REFERENCES

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**Dr. Chandra Embuldeniya**

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Uva Wellassa University of Sri Lanka  
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**Dr. L. Ranatunga**

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