



# LAYANJALA JAYASUNDARA

## SOFTWARE ENGINEER ENTHUSIAST

Motivated Computer Science undergraduate with a strong passion for software development. Seeking a Software Engineer Internship to apply problem-solving abilities and technical expertise. Skilled in learning new technologies and dedicated to contributing effectively to development team objectives.



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Matale



Layanjala Jayasundara



Yasashrini Jayasundara



LayanjalaJayasundara

## EDUCATION

### B.Sc. (Hons) in Computer Science and Technology (2022- present)

- Uva Wellassa University of Sri Lanka
- Current cumulative GPA = 3.67

**Sri Sangamitta Girls' National School Matale 2006-2019**

## TECHNICAL SKILLS

**Programming Languages:** Python, Java, C, PHP, JavaScript, SQL, HTML, CSS

**Frameworks & Libraries:** Django, Flask, React.js

**Databases:** PostgreSQL, MySQL

**Tools:** VS Code, GitHub, Jupyter notebook, Figma

## PERSONAL SKILLS

- Leadership
- Self-motivation
- Public Speaking
- Time management
- Teamwork
- Problem-solving
- Adaptability
- Communication

## INTERESTS

- Python Development
- Software Engineering
- Data Science
- AI/ML
- System Administration

## CERTIFICATES

**Programming in Python:** Open Learning Platform - UoM

**IEEEExtreme Programming Competition:** Participation (2024, 2025)

**UvaXtreme Programming Competition:** Participation (2024)

**Toastmasters International:** Level 1 of Presentation Mastery

**AI/ML Engineer - Stage 1:** Centre for Open and Distance Education- SLIIT

**AI/ML Engineer - Stage 2:** Centre for Open and Distance Education- SLIIT(Ongoing)

## ACHIEVEMENTS

### Dean List (To Date)

- 1<sup>st</sup> Year - 2<sup>nd</sup> Semester (2023)
- 2<sup>nd</sup> Year (2024)

**EngWrangle - Debate Competition by CSI Department of UWU (2022):** Winners

**Active Girl Guide (2015)**

# RESEARCH AND PROJECTS

## Detect and Quantify Aflatoxin Levels in Corn Kernels Using Digital Image Processing and Machine Learning with UV Fluorescence Imaging. (2025 - ongoing )

- Designing and training deep learning model to detect and quantify aflatoxin levels in corn kernels.
- Technologies – Python, Deep Learning, Image Processing

## Notiq - Collaborative PDF Reader and Note-Sharing Platform (ongoing)

- Developing a collaborative web-based platform enabling students to upload, read, and annotate PDF notes.
- Implementing features for adding comments, highlights, bookmarks, as well as appending new pages for additional content.
- Technologies – Python, Django, Flask, HTML, CSS, JavaScript, Tkinter, PostgreSQL, GitHub

## Exchanza

- Developed a web-based platform enabling users to buy, sell, and bid on second-hand products, through an interactive and user-friendly interface.
- Technologies – PHP, MySQL, HTML, CSS, JavaScript, GitHub

## Inventory Management System

- Developed a web application to streamline inventory management for small businesses by implementing features to track stock levels, manage product data, and monitor inventory flow.
- Technologies – PHP, MySQL, HTML, CSS, JavaScript, Bootstrap, GitHub

## Real Estate Management System

- Built a full-stack web application to simplify real estate transactions by enabling buyers, sellers, and agents to browse, list, and manage property listings through an intuitive interface.
- Technologies – React, Vite, Tailwind CSS, Django, Django REST Framework, SQLite, GitHub

## Event Management Platform for University

- Developed a web-based platform to streamline university event management by enabling event creation, participant registration, and real-time tracking.
- Technologies – JAVA, JAVA Servlet, Java Server Pages, MySQL, GitHub

## Autonomous Shopping Cart System

- Developed a smart shopping cart system leveraging IoT, computer vision, and APIs to automate item detection, enable real-time price updates, and support mobile integration.
- Technologies – Arduino, C++, Nodejs, React Native, GitHub

# WORK EXPERIENCE

## Bank of Ceylon - Student Leaver (2021-2022)

- Gained hands-on experience in documentation and financial processes, developing strong workload management, time management, and stress handling skills in a professional banking environment.

# EXTRA CURRICULAR ACTIVITIES

**IEEE Student Branch UWU - WIE Affinity Group:** Chairperson (Apr 2025 - Present), Vice Chairperson (Jan 2024 - Apr 2025)

**IEEE Young Professionals Sri Lanka - SLI National Project:** Vice Chairperson - Finance (2025), Member Coordinator (2024)

# REFERENCES

**Dr. E. M. U. W. J. B. Ekanayake** Senior Lecturer Uva Wellassa University jayalath@uwu.ac.lk 071 195 4433

**EUR ING. Lakmal Senanayake** Assistant General Manager - IT National Savings Bank lakmal.it@nsb.lk 0772 354 354