# Kasun Jayamaha

(Software Engineering Undergraduate)

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## Objective

Seeking a software engineering internship to apply my skills in web and mobile development while gaining hands-on experience.

## Education

- BSc (Hons) in Information Technology Specialize in Software Engineering
  Sri Lanka Institute of Information Technology (SLIIT), Malabe (Expected Graduation in June 2026)
- GCE Advance Level -Thurstan College, Colombo 07 - Results- 2C,1S (English Medium)
- GCE Ordinary Level -St. Joseph's College, Nugegoda - Results- 5A, 3B, 1S (English Medium)

## Technical Skills

- **Languages:** Java, C, C++, Dart, Python, TypeScript
- **Web:** HTML, MERN Stack, Next.js, Nest.js, Tailwind CSS
- **Databases:** MySQL, Firebase, Prisma ORM, MongoDB
- **Tools:** Git, Docker, Kubernetes, Postman, VS Code, Eclipse, Figma
- **Concepts:** OOP, REST APIs, Microservices, Agile

## Projects

- Personal Web Portfolio Project - Next.js-based project **deployed** on GitHub Pages, showcasing web development and UI/UX skills.
- Nourish Lanka – Food Donation System - **Full-stack MERN application** enabling secure donor-organization connections with real-time tracking.
- IoT projects - Research-driven **embedded systems development** using ESP32, focusing on **wireless communication and data processing**
- .PawPal – Animal Adoption & Pet Care App - **Cross-platform mobile app** built with Flutter, integrating **Firebase for real-time updates**.
- Sales Optimizer Tool – Sales Analysis Platform - **Data-driven analytics platform** leveraging Nest.js, Next.js, and Prisma, implementing **predictive sales insights**.
- H-Link – Hospital Management System - Scalable **healthcare management platform** built with Nest.js, Next.js, and Prisma, featuring **role-based access control (RBAC)**.
- ReserveScreen.lk – Movie Booking Website - **Dynamic ticketing system** developed using HTML, CSS, PHP & JavaScript with **secure payment integration**.
- Laundry Pro – Laundry Management System - **Web-based enterprise solution** for automated laundry service management, developed with Java.

## Certifications & Achievements

- AI/ML Engineer Stage-1 Certification – Centre for Open and Distance Education, Faculty of Computing, SLIIT
- Participant – IX 24 Designathon

## Soft Skills & Languages

- **Skills:** Problem-Solving, Critical Thinking, Teamwork, Leadership, Adaptability, Effective Communication, Time Management, Decision-Making, Agile Collaboration

- **Languages:** English (Professional), Sinhala (Native)