



# THILINA JAYASINGHA

SOFTWARE ENGINEER INTERN

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[LinkedIn](#)

[GitHub](#)

[Portfolio](#)

## PROFILE SUMMARY

I'm a proactive and fast-learning undergraduate from the University of Moratuwa with a strong foundation in modern web development. I've worked on a range of practical software projects, applying up-to-date technologies and frameworks to deliver real-world solutions. I'm confident in both front-end and back-end development, and I constantly explore new tools, trends, and best practices to improve my work. With a strong eye for detail, a user-first mindset, and solid teamwork skills, I aim to build high-quality, efficient, and scalable applications that solve real problems.

## EDUCATION

### University of Moratuwa

2023 - 2027

- BSC (Hons) in Information Technology
- 3<sup>rd</sup> Year Undergraduate
- GPA - **3.50/4.00**

### R/Sivali Central Collage

2021

- GCE A/L Examination: **AAA (z-Score : 2.5324)**
- Combined Maths, Physics, Information and Communication Technology

### R/Sivali Central Collage

2018

- GCE O/L Examination: **A-9**

## PROJECTS

### Sellaro - E-commerce Web Template System / [GitHub](#) - [Frontend](#), [Backend](#)

Team Lead & Full Stack Developer | Feb 2025 – Jul 2025

Developed Sellaro, a scalable and user-centric eCommerce platform empowering SMEs to launch branded, customizable online stores without technical expertise. Built with Next.js, Nest.js, and MongoDB, the system supports dynamic product management, secure payments, and real-time updates.

#### My Role:

- Built secure role-based login (JWT + NestJS Guards) for admins and customers
- Created drag-and-drop banner editor using Fabric.js with Cloudinary image upload
- Added customizable themes (headers, footers, colors) via simple UI
- Integrated NodeMailer for OTP/email verification
- Led a 5-member team in collaboration with [DoNext Pvt. Ltd.](#), following their project guidance and industry mentorship, to deliver a responsive, production-ready app.

Tech Stack: Next.js, Nest.js, MongoDB, Stripe, Cloudinary, Fabric.js, NodeMailer

# Bun & Run – Smart Food Vending Machine

Team Lead & Embedded Systems Engineer | Apr 2024 – Jul 2024

Developed a fully automated fast-food vending machine in 3 months. Built with MicroPython, ESP-32, and Node.js.

## My Role:

- Designed and implemented real-time control algorithms using MicroPython multithreading on ESP-32 for the entire machine.
- Built custom dynamic polythene sealer mechanism
- Integrated Node.js backend with Firebase for inventory tracking and admin dashboard and handled API calls
- Enabled QR-code payments and touch-screen interaction via ESP-32
- Led a 4-member team to deliver a responsive, production-ready system

Tech: MicroPython, ESP-32, Node.js, Firebase, Hardware Prototyping

# Bathlux – E-commerce Platform for Bathware

- Description** - A web development project built with HTML, CSS, and JavaScript on the frontend and PHP with SQL on the backend, this e commerce site allowed browsing, ordering, and inventory tracking of bathware products.
- Technical Stack** – HTML, CSS, JavaScript, PHP, SQL.

# EVINC - Animation Design Workshop and Competition

- Chairman** of EVINC 2023, the premier animation workshop and competition in Sri Lanka organized by Leo club of University of Moratuwa. Organized workshops, guest lectures, and a national competition to promote animation skills among students. Managed a team of volunteers and coordinated with industry professionals to ensure a successful event.

## TECHNICAL SKILLS

Languages	Frontend	Backend	Tools & DevOps
<ul style="list-style-type: none"><li>C</li><li>Java</li><li>Python</li><li>MicroPython</li><li>JavaScript</li><li>TypeScript</li><li>PHP</li></ul>	<ul style="list-style-type: none"><li>HTML</li><li>CSS</li><li>React</li><li>Next.js</li><li>Tailwind CSS</li></ul>	<ul style="list-style-type: none"><li>PHP</li><li>Node.js</li><li>Express.js</li><li>Nest.js</li></ul> <p><b>Database</b></p> <ul style="list-style-type: none"><li>SQL</li><li>MongoDB</li></ul>	<ul style="list-style-type: none"><li>Git</li><li>GitHub</li><li>Firebase</li><li>Cloudinary</li><li>Stripe</li><li>JWT</li></ul>

## REFERENCES

<p>Mr. M.D.N. Chandrasiri</p> <p>Lecturer,</p> <p>Faculty of Information Technology,</p> <p>University of Moratuwa.</p> <p>Tel : +9477 584 1591</p> <p>Email : dilumikan@uom.lk</p>	<p>Mr. Malisha Wimalawardhana</p> <p>Founder, CEO and Director,</p> <p>DONEXT Pvt Ltd,</p> <p>Tel : +9477 007 9697</p> <p>Email : malishatw@gmail.com</p>
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