





Yasith Inosh Rajapaksha


Undergraduate | Full-stack & Devops Engineer


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ABOUT

Full-Stack Engineer and DevOps enthusiast currently pursuing an undergraduate degree at the Rajarata University of Sri Lanka. Skilled in developing scalable web applications using modern **frontend and backend technologies, database management, and API development**. Passionate about DevOps practices including **containerization, CI/CD, and cloud deployment**. Seeking opportunities to apply technical expertise, contribute to innovative software solutions, and grow as a software engineer.

EDUCATION


Present **Bachelor of Information Communication Technology [BICTHons], Rajarata University of Sri Lanka**
Expected Graduation 2027
Current GPA - 3.00+ (Credits -75): Reading


PROFESSIONAL EXPERIENCE

02/2026 – Present **Senior Technical Officer, FOT Media**
Led technical operations and system optimization for media production. Directed the deployment and maintenance of professional cameras, drones, and audiovisual equipment.


10/2024 – 02/2026 **Head of Social Media Management, FOT Media**
Directed social media strategy, content creation, and campaign management to improve online engagement and audience reach.


CERTIFICATIONS

01/2026 **Introduction to Devops Tools** , Simplilearn

03/2026 **Introduction to Kubernetes** , Simplilearn

03/2026 – pending **Introduction to Kubernetes (LFS158), The Linux Foundation - Education**

03/2026 **Docker Foundations Professional Certificate** , LinkedIn Learning


03/2026 **Microsoft Project Step by Step: Planning for Successful Project Management** , Microsoft Press

RESEARCH

12/2025 – Present **Performance Enhancement of Sinhala Sign Language Detection Systems using Image Enhancement Techniques.**, Rajarata University of Sri Lanka
- Investigating computer vision to improve Sinhala Sign Language (SSL) detection accuracy, aiming to bridge communication barriers for the hearing-impaired community.

PROJECTS

2026 – Present **La Bella Cucina - Restaurant Web** , HTML, JavaScript, Docker
Developed a **full-stack restaurant management system** with ordering, reservations and an admin dashboard. Implemented **authentication, PayHere integration and Docker based deployment (Node.js, Express, PostgreSQL, Nginx)**.

2026 **InoVoidBlog | Modern Technical Blogging Platform** , JavaScript, PostgreSQL, Azure
Developed **“InoVoidBlog” a full-stack developer blogging platform** for technical knowledge sharing. Built with **Tailwind CSS & JavaScript**, integrated **Supabase (PostgreSQL)** and deployed via **CI/CD (GitHub Actions) on Azure**, with features like comments, reactions and notifications.

- 2024 **University Faculty Dashboard – Unified Student & Lecturer Portal** *🔗, Flutter, Firebase*
 Developed a cross-platform mobile application as a group project to digitize faculty operations. The system features separate, secure dashboards for students and lecturers, integrated with a central administrative control panel.
- 2025 **Gas Leakage Detection System, ESP 32, Blynk**
 Developed an IoT system using **MQ2 gas sensor, Load Cell, and HX711** to detect gas leaks and monitor cylinder weight in real time. Implemented **Blynk-based alerts** with LCD display and buzzer notifications to enhance safety and prevent gas-related accidents.
- 2023 – Present **IoT-Enabled Digital Oil Lamp for University Ceremonies** *🔗, ESP 32, Arduino*
 Developed a **smoke-free, fire-safe alternative to traditional oil lamps** for university auditorium events using IoT technology. Implemented a **dual-controller system (ESP32 web server + Arduino Mega)** for hardware control. Built a **web dashboard** enabling organizers to trigger lighting remotely.

SKILLS

TECHNICAL SKILLS

- Programming Languages : JavaScript, Java, Python, PHP
- Frontend : Tailwind CSS, React.js, Bootstrap, HTML5
- Backend : Node.js, Express.js, REST API Developmen
- Databases : MySQL, PostgreSQL, Firebase, Supabase
- DevOps & Cloud : Docker, AWS, Microsoft Azure, CI/ CD
- Version Control : Git, GitHub
- APIs & Security : JWT Authentication, Postman, REST APIs
- Mobile Development : Flutter, React Native
- IoT & Embedded : Arduino, ESP32, ESP8266
- Development & Project Tools : ClickUp
- AI Development Tools : Claude, Gemini, Antigravity
- Media & Creative Tools : Adobe Photoshop & Premiere Pro

SOFT SKILLS

- Problem-Solving
- Communication
- Adaptability
- Time Management
- Critical Thinking
- Agile Mindset
- Leadership

EXTRA CURRICULAR & VOLUNTEER EXPERIENCE

- 10/2024 – Present **FOT Media, Senior Technical Officer, Head of Social Media Management**
 Led digital media strategy, content campaigns and audience engagement to improve reach and branding. Directed technical operations, optimizing media systems and managing cameras, drones and broadcast equipment.
- 07/2023 – Present **ROST - Robotic Society in Technology, Junior Treasury, Event Organizer, Project Lead**
 Lead an Extru Exhibition project within the association, overseeing, planning, coordinating and delivering technical objectives. Managed event planning logistics and supported financial tracking and budgeting as junior treasurer.
- 01/2023 – 12/2025 **ATIT -Association of Technology IT, Project Lead & Member**
 Lead an Extru Exhibition project within the association, overseeing, planning, coordinating and delivering technical objectives.

INTEREST

Graphic Designer

Graphical post create and editing
 Photoshop

Dronography

Drone Operator & Video Editing
 PremierPro

Photography

photographer & Editor
 Lightroom

REFERENCES

Mr. Husni Mohamed, Lecturer

Department of Information & Communication Technology, Faculty of Technology, Rajarata University of Sri Lanka.
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M.A.PT.Mallikaarachchi, Executive director

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