



# Isuru Lakmina

Full Stack Software Engineer

DevOps, Cloud & AI/ML Enthusiast

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## Profile Summary

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A full stack developer who has the ability to learn new technologies quickly and deliver practical, efficient solutions. Focused on building reliable software that meets project requirements and adapts to evolving needs

## Work Experience

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Intern Software Engineer | PayMedia - FinTech (Colombo, Sri Lanka) Feb 2025 – Aug 2025

*PayMedia is a Fintech company providing digital banking and payment solutions*

- Developed a **Bank Transaction Receipt Portal (E-Slip)** with **600K-700K LKR budget**, delivering secure digital receipts that improved user experience by 200% over traditional paper systems
- Engineered and optimized **ATM/CDM Desktop Applications** by implementing new transaction features and fixing bugs, achieving **50% efficiency gains** and reducing **cash handling time by 15%**
- Contributed to frontend development and unit testing of the **Bank's E-KYC platform**, delivering **11+ feature enhancements** and **reducing defect rate by 30%** during UAT phase
- Optimized deployment workflows by integrating **Git-based version control** and configuring **Linux-based secure server environments**, reducing release downtime

**Tech Stack:** .NET Core, Vue.js, TypeScript, JavaScript, C#, WPF, Laravel, Git, Linux

Research Project Leader | Rajarata University

Sept 2023 – Dec 2024

*(2<sup>nd</sup> Place Award University Research)*

- Led a **4-member** team to develop a **Real-time Traffic Sign Recognition System using computer vision**, delivering a cost-effective solution with **zero project expenditure**
- Coordinated **timelines, task assignments, and resources**, ensuring **on-time delivery** of research project that secured **2nd place award** at university research competition
- Designed, trained, and optimized **AI/ML models** with **YOLOv11 + TensorFlow Lite**, achieving **95% detection accuracy** in real-time traffic sign recognition and enabling deployment on **resource-constrained devices**
- Presented research findings to **industry evaluators and academic panel**, earning commendation for **practical implementation and potential real-world applications**

**Tech Stack:** Python, YOLOv11, TensorFlow Lite, OpenCV, Roboflow, Java, Kotlin, JSON, Git

## Soft Skills

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- People Leadership
- Motivation
- Attention to Detail
- Data Analysis
- Budgeting
- Strategic planning

- Long term planning
- Problem-solving

## Technical Skills

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**Frontend:** Vue.js, Next.js, React.js, Tailwind CSS

**Backend:** .NET Core/ .NET 8, C#, Node.js, Laravel, Python

**Databases:** MySQL Server, SQLite, Supabase

**AI/ML:** YOLOv11, TensorFlow Lite, OpenCV, Deep Learning, Computer Vision

**DevOps & Cloud:** Git, Linux, Docker, CI/CD Pipelines, Vercel (Deployment)

**Other:** REST API Development, Unit Testing, Agile/Scrum, Postman

## Projects

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- **ShareNex – Text, File Sharing Web Application (Individual)**  
[GitHub Repo](#)      [Demo Link](#)  
[Next.js, Supabase (Database), Tailwind CSS, Vercel (Deployment)]
- **Employee Leave Management System Using .NET (Individual)**  
[GitHub Repo](#)  
[.NET 8, Window Forms, MySQL Server]
- **FashionHub – E Commerce Website (Individual)**  
[GitHub Repo](#)      [Demo Link](#)  
[HTML5, Tailwind CSS, JavaScript]
- **Sweet Delights Bakery– A Website for Bakery Products (Competition) (Group)**  
[GitHub Repo](#)      [Demo Link](#)  
[Next.js, Tailwind CSS, Node.js]
- **Library App – Android (Individual)**  
[GitHub Repo](#)  
[Java, SQLite]

## Education

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- **Graduated B.Sc. in Information Technology** **2025**  
(Department of Computing) in Applied Science Rajarata University of Sri Lanka
- **Diploma in English (Honor) - British Way English Academy** **2020**
- **G.C.E.(A/L) – Math Stream (CCS)** **2019**

## Achievements & Certifications

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### Certifications

- Postman API Fundamentals Student Expert (2025)
- SLIIT AI/ML Engineer – Stage 1 (2025)
- Cisco Networking Academy: Introduction to Cybersecurity (2019)

### Achievements & Competitions

- RUSL Xtreme 1.0 Hackathon (IEEE Rajarata, 2024)
- Code Reviver 2.0 (IEEE Vavuniya, 2023)
- Inter-University Coding Competition BITCODE V 3.0 (2022)

## Extra-Curricular Activities

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- Active Member, IEEE Student Branch – Rajarata University
- Represented university in **Basketball & Baseball** at inter-university level