



KAWAN RUPASINGHE

SOFTWARE ENGINEER INTERN

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No.32/4, Niyandagala, Pannipitiya

Colombo, Sri Lanka

[GitHub](#) [LinkedIn](#)

Aspiring computer scientist passionate about building scalable, high-quality software solutions. Proficient in Java and C, with a solid foundation in object-oriented programming, algorithms, and problem-solving, complemented by hands-on experience in Agile frameworks. Enthusiastic about full-stack development and dedicated to applying coding best practices to deliver reliable, efficient, and user-focused solutions. Motivated to contribute to real-world projects and grow within a dynamic professional environment.

EXPERIENCE

Research Intern

SLIIT - Full Time (Hybrid)

- Worked under Prof. Nuwan Kodagoda (Pro-Vice Chancellor - Faculty of Computing) on Generative AI solutions for Education
- Designed and developed frontend interfaces for intelligent chatbots to enhance student learning experiences

TECHNICAL SKILLS

Programming Languages

- Java, C, C# (basic), JavaScript (basic), Python (basic)

Frameworks and Web Development

- Spring Boot, .NET, React, REST APIs, Next.js (basic), HTML, CSS

Databases

- MySQL, Firebase, MongoDB (basic)

Tools and Platforms

- Jira, Git/Github, Figma, VS Code, IntelliJ IDEA, Postman

Other

- Project Management (Agile/Scrum)

PROJECTS

The Glaze (Cake Shop Management System) | Spring Boot, React

March - May 2025

- Developed a full-stack web application for a small-scale cake shop, enabling customers to place and track orders and allowing the owner to manage orders efficiently using Java Spring Boot, SQL, and React with Vite.
- Collaborated in a team of four following Agile methodology with Scrum, using Jira for task management to ensure iterative progress, effective communication, and adaptive planning.

The Glaze (UI/UX Project - Mobile App Prototype) | Figma

April 2025

- Designed a customer and admin mobile app prototype for a cake shop, applying HCI principles to ensure user-friendly UI, smooth navigation, and clear visuals.

Fault-Tolerant Distributed Logging System | Spring Boot, MongoDB, Raft

May 2025

- Built a distributed logging system with Raft consensus, ensuring strong consistency, leader election, data replication and automatic failover.
- Integrated Netflix Eureka for service discovery and MongoDB for durable, scalable log storage.

FormLangPP (DSL for html form generation) | Flex and Bison

April 2025

- Built a domain-specific language with Flex & Bison (Lex & Yacc) to generate HTML forms. Implemented grammar, parsing, and code generation for automated form creation.

AquaMonitor (IoT Fish Tank Monitoring System) | ESP32 microcontroller

2023

- Real-time temperature monitoring, Water level tracking, Turbidity measurement and JavaScript Web dashboard for data visualization with firebase database.

EDUCATION

BSc (Hons) in Computer Science

Jun 2023 - Present

Sri Lanka Institute of Information Technology (SLIIT), Malabe, Sri Lanka

- Current CGPA: 3.22
- Relevant Coursework : Data Structures & Algorithms, Object Oriented Analysis and Design, Software Engineering, Parallel Computing (ongoing) and Intelligent Systems (ongoing)

GCE Advanced Level, Physical Science Stream

2021/2022

Ananda College - Colombo

GCE Ordinary Level

2018

Vidura College - Colombo

CERTIFICATIONS AND AWARDS

Finalist - Codefest Algothon

2025

SLIIT

Certificate Course on Application Development using JavaSE

2023

University of Colombo School of Computing

Gold Medal (1st place) - 15th Young Computer Scientist Competition

2016

University of Colombo School of Computing - Junior Category (Non-government School)

Finalist - Sri Lanka Robotics Challenge Competition

2018

University of Moratuwa - School Category

Cambridge English Level 2 Certificate in ESOL International

2018

Certificate in Professional English - CPE

ADDITIONAL INFORMATION

Languages: English (Fluent), Sinhala (Native)

Extra-curricular: Divisional Member - SEDS SLIIT | Member - AIESEC in SLIIT

REFERENCES

Prof. Nuwan Kodagoda

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PhD (SHU), MBCS, MIET, MCSS
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