

# Ruvindu Sharadha

## Software Engineer

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## Professional Summary

Results-driven Software Engineering Intern with hands-on experience in full-stack development and modern software engineering practices. Currently contributing to innovative projects at Syigen Ltd, demonstrating expertise in designing and implementing scalable web applications using React, Angular, Spring Boot, and enterprise-grade databases. Proven ability to work with cross-functional teams in agile environments, delivering high-quality software solutions. Strong foundation in object-oriented programming, RESTful API development, and database design. Passionate about leveraging cutting-edge technologies to solve complex business problems and contribute to innovative software development initiatives.

## Professional Experience

### Syigen Ltd, Software Engineering Intern

August 2025 – Present

- Contributing to enterprise-level software development projects in a dynamic technology company environment
- Collaborating with senior developers and cross-functional teams to deliver scalable software solutions
- Implementing modern development practices including code reviews, testing, and continuous integration
- Gaining exposure to production-grade applications and industry-standard development workflows
- Participating in agile ceremonies and contributing to sprint planning and retrospectives

### Institute of Computer Engineering Technology, Trainee Engineer

March 2024 – Present

- Mastered Agile methodologies through hands-on experience with sprint planning, stand-ups, and iterative development cycles
- Developed comprehensive software solutions using modern development tools including Visual Studio Code and IntelliJ IDEA
- Applied advanced software design principles using UML diagrams, design patterns, and architectural best practices
- Enhanced technical communication and team collaboration skills through cross-functional project work

### EVO Plan Platform, Full-Stack Developer (Team Project)

March 2025 – Ongoing

- Architecting and developing the Supplier Management module for a comprehensive business planning platform
- Building responsive, mobile-optimized frontend interfaces using Angular with modern UI/UX principles
- Engineering robust RESTful APIs with Spring Boot, implementing secure authentication and business logic
- Designing and optimizing MySQL database schema with Hibernate for efficient data management and queries
- Implementing JWT-based authentication system and following industry-standard Git workflows for version control

## Education

### Bachelor's Degree

2026 – Present (Pending)

### University of Colombo School of Computing

Bachelor of Information Technology

### Diploma

2024 – 2025 (Completed)

### Institute of Computer Engineering Technology

## Software Engineering

- Comprehensive curriculum covering modern software development methodologies and industry best practices
- Advanced training in full-stack development, database design, and software architecture patterns
- Hands-on experience with enterprise-level technologies and professional development tools
- Successfully completed with practical project experience

## Featured Projects

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### Student Internship Management System – Full-Stack Enterprise Platform

[Frontend](#) | [Backend](#)

- Developed a comprehensive internship management platform for SDD companies with role-based access control
- Built responsive Angular frontend with advanced user interface components and optimized user experience
- Engineered secure Spring Boot REST APIs with JWT token authentication for multi-role authorization
- Implemented three distinct user roles: Company Admin, Student, and System Administrator with tailored dashboards
- Features: Internship application management, real-time notifications, document handling, and performance tracking
- Applied enterprise security patterns including JWT token refresh mechanisms and role-based route protection
- **Tech Stack:** Angular, Spring Boot, MySQL, JWT Authentication, Spring Security, Bootstrap, RESTful APIs

### Library Management System – Enterprise JavaFX Application

[GitHub Repository](#)

- Architected a comprehensive Library Management System using JavaFX with professional-grade GUI design
- Implemented advanced features: automated book cataloging, member management, intelligent search, and real-time reporting
- Integrated MySQL database with optimized JDBC connections for high-performance data operations
- Applied enterprise design patterns (MVC, DAO) ensuring maintainable, testable, and scalable architecture
- **Tech Stack:** JavaFX, Scene Builder, MySQL, JDBC, Java 11+, Maven

### Car Rental Management Platform – Full-Stack Enterprise Solution

[Frontend](#) | [Backend](#)

- Developed a production-ready car rental platform with microservices architecture and modern design patterns
- Built responsive, PWA-compliant frontend using Angular 16+ with Tailwind CSS for exceptional user experience
- Engineered secure REST APIs with Spring Boot, implementing JWT authentication, role-based authorization, and data validation
- Designed normalized MySQL database with advanced indexing strategies for handling concurrent transactions
- Features: Real-time vehicle availability, dynamic pricing engine, automated booking confirmations, and analytics dashboard
- **Tech Stack:** Angular 16+, Spring Boot, MySQL, Tailwind CSS, JWT, Hibernate, Postman

### Student Information Management System – Modern Web Application

[Frontend](#) | [Backend](#)

- Built a scalable student management platform using clean architecture and contemporary web development practices
- Implemented robust Spring Boot backend with comprehensive exception handling, input validation, and API documentation
- Designed efficient relational database schema supporting academic records, enrollment tracking, and performance analytics

- Advanced features: Bulk data operations, Excel import/export, real-time notifications, and detailed reporting modules
- **Tech Stack:** React 18, Redux Toolkit, Spring Boot, MySQL, Material-UI, Swagger, JUnit

### Mos Burger Shop – Modern Restaurant Management System

[Frontend ↗](#) | [Backend ↗](#)

- Developing a comprehensive restaurant management platform with modern web technologies and user-centric design (March 2025 - Ongoing)
- Building responsive frontend interface using HTML5, Tailwind CSS, and vanilla JavaScript for optimal performance
- Engineering robust Spring Boot backend with RESTful APIs for order management, inventory tracking, and customer relations
- Implementing secure authentication, real-time order processing, and automated inventory management features
- Features: Online ordering system, menu management, order tracking, customer profiles, and sales analytics dashboard
- Focusing on exceptional user experience with intuitive navigation and mobile-responsive design
- **Tech Stack:** HTML5, Tailwind CSS, JavaScript, Spring Boot, MySQL, REST APIs, JWT Authentication

### Fitness Tracker – Progressive Web Application

[GitHub Repository ↗](#)

- Developed a feature-rich PWA for comprehensive fitness tracking and goal management with offline capabilities
- Implemented advanced workout logging, calorie tracking, progress visualization, and personalized goal-setting algorithms
- Created interactive dashboards using Chart.js for real-time progress monitoring and detailed analytics
- Built with modern JavaScript (ES2022), utilizing Service Workers for offline functionality and localStorage for data persistence
- Features: Responsive design, push notifications, data synchronization, and social sharing capabilities
- **Tech Stack:** HTML5, CSS3, JavaScript (ES2022), Chart.js, Service Workers, PWA APIs, CSS Grid/Flexbox

## Technical Expertise

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**Programming Languages:** Java (8-17), JavaScript (ES6+), TypeScript, PHP, Python, HTML5, CSS3, SQL

**Frontend Technologies:** React 18, Angular 16+, Vue.js 3, Bootstrap 5, Tailwind CSS 3, Material-UI, Chart.js, SASS/SCSS

**Backend & APIs:** Spring Boot, Spring Security, Node.js, Express.js, Hibernate/JPA, REST APIs, GraphQL, JWT

**Database Systems:** MySQL, PostgreSQL, MongoDB, SQL Server, Redis, H2, Database Design & Optimization

**DevOps & Tools:** Git/GitHub, Docker, Maven, npm/yarn, IntelliJ IDEA, VS Code, Postman, Swagger/OpenAPI, Jenkins (Basic)

**Architecture & Methodologies:** Microservices, RESTful Design, Agile/Scrum, Test-Driven Development, MVC

## Professional References

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- Supervisor for academic projects and professional development