

# Sashika Dilmina

## Intern Software Engineer

Colombo, Sri Lanka

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GitHub: <https://github.com/Sashika-Dilmina>

Portfolio: <https://portfolio-zeta-rust-66.vercel.app/>

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### Profile Summary

Software Engineering undergraduate with experience in full-stack development using Java, React, Node.js, and RESTful APIs. Skilled in database design, algorithm development, and Agile SDLC practices. Familiar with machine learning concepts and cloud deployment using Vercel and Render. Seeking a Software Engineering Intern position to apply technical skills in real-world projects.

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### Core Competencies

#### Full-Stack Development

- JavaScript, TypeScript, Java, Python
- React.js, Next.js, Node.js, Express.js
- Tailwind CSS

#### Database Management

- Firebase, Supa base, MySQL, MongoDB

#### ML & Algorithms

- Machine Learning (Regression, Classification, Clustering)
- Data preprocessing, model evaluation

#### Automation Tools

- Selenium, JMeter

#### Cloud

- AWS(EC2,S3,IAM)

#### Version Control

- Git, GitHub

#### Development Practices

- Agile, Scrum, SDLC

#### Project Management & Collaboration

- Jira
- Trello

### Education

#### BSc (Hons) in Software Engineering

Oct – 2023

CINEC Maritime Campus, Malabe. (Current GPA – 3.78)

(Advanced Data Structures and Algorithms, Object Oriented Concepts & Programming, Mobile Computing, Advanced Web Technologies)

## Projects

### Smart E-commerce Ecosystem | MERN Stack

Nov - 2025 (Ongoing)

- Architected a full-stack MERN e-commerce platform with role-based authentication and separate dashboards for admins, sellers, and customers.
- Applied LSTM-based AI demand forecasting to enhance inventory planning and production decision-making.
- Constructed RESTful services for products, orders, users, and analytics using Node.js, Express.js, and MongoDB.
- Optimized frontend performance with React.js and Tailwind CSS to ensure scalability and responsive UI design.

### Sniper Car Care Service POS System

Nov - 2025 (Ongoing)

- Engineered an ANPR-enabled POS solution for vehicle service centers using modern web technologies.
- Automated vehicle identification, customer tracking, and service workflow processes.
- Integrated digital payment gateways including Apple Pay, Samsung Pay, and card transactions.
- Delivered an administrative analytics dashboard for reporting, insights, and customer loyalty management.

### Expense Tracker Web Application | MERN Stack

June - 2025 (Completed)

- Produced a responsive expense management system using React.js, Node.js, Express.js, MongoDB, and Tailwind CSS.
- Secured user authentication with JWT-based access control and protected routing.
- Implemented data management operations for income and expense records with full CRUD functionality.
- Visualized financial data through interactive dashboards and enabled Excel-based report exports.

### Salon Appointment Booking System | Microservices Architecture

Jan - 2026 (Ongoing)

- Structured a microservices-based appointment scheduling platform using Java Spring Boot.
- Leveraged Firebase for real-time database operations and user data storage.
- Delivered core appointment, service, and user management modules with CRUD functionality.
- Configured automated email alerts using Java Mail Sender for reminders and announcements.

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## Certifications

**AI/ML Engineer – Stage 1** (Faculty of computing | SLIIT UNI)

Nov - 2025

**Hack Blast 2024**(IEEE Student Branch CINEC | Hackathon Competition)

March - 2024

**Code Rally 6.0** (Intermediate Tier) — IEEE Computer Society, IIT

September-2025

**IDEALIZE 2024** (UOM)

June-2024

**Microsoft Learn** (Microsoft Power platform )

March-2025

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## Experiences

- Member of Robotic and Development at Techstrike Club, Cinec Campus (2024-2026)
- Held the position of Web Developer at Techstrike Club, Cinec Campus (2025-2026)
- Member of IEEE Society at Cinec Campus (2025-2026)