

# Simaak Niyaz

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## CAREER OBJECTIVE

Motivated Computer Science undergraduate seeking a Software Engineering internship to leverage strong programming skills, hands-on experience in full-stack development, and a passion for building efficient software solutions.

## EDUCATION

### University of Colombo School of Computing

B.Sc. (Hons) in Computer Science

May 2023 – Present

GPA: 3.71/4.00

- Director's List (Semesters 1, 3, 4)

## PROJECTS

[View All](#)

### MotorTrace | Ongoing

- Technologies:** React TypeScript, Node TypeScript, React Native, Supabase, Prisma ORM
- Developing a full-scale auto repair shop management system with features including technician/customer mobile apps, work order management, digital invoicing, payment processing, real-time status tracking, and role-based access control.
- Designed using a modular monolithic architecture for maintainability and scalability.

### CarLog | Ongoing

- Technologies:** React Native, Java Spring Boot, SQLite
- Building a mobile application with trip tracking, mileage logging, fuel expense tracking, and maintenance history features. Integrated OBD2 support provides optional real-time vehicle diagnostics and performance data.

### Evergreen | 2024

- Technologies:** PHP, HTML/CSS, JavaScript, MySQL, Google Maps, Jira
- Developed a comprehensive management platform for bought-leaf tea factories in Galle, featuring automated collection scheduling (both vehicle-based and supplier bag collection), inventory management, invoice processing, payment tracking, customer relations, and analytics dashboards for suppliers, drivers, and administrators.
- Built custom MVC Web framework from scratch including routing, dependency injection, controllers, services, database abstraction layer, and template engine
- Currently developing vehicle routing optimization extension using OptaPlanner to solve CVRP problems, minimize truck overloading/underloading, and optimize collection routes with dynamic supplier availability.

## SKILLS

**Languages:** JavaScript, TypeScript, C, C++, Java, Python, PHP

**Frameworks & Libraries:** React, React Native, Next.js, Node.js, Express.js, Spring Boot, Prisma ORM

**Databases:** PostgreSQL, MySQL, MongoDB, Supabase, SQLite

**Services:** Supabase, Neon, Clerk

**Developer Tools:** Git, VS Code, IntelliJ, Postman, Jira

## REFERENCES

### Mr. Kenneth Thilakarathna

Lecturer, University of Colombo School of Computing

BIT (Col.), MPhil (Col.)

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