

# Simaak Niyaz

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[sim33-k.github.io](https://sim33-k.github.io) | [behance.net/simaakniyaz](https://behance.net/simaakniyaz)

## PERSONAL PROFILE

Third-year Computer Science undergraduate with expertise in full-stack development, object-oriented programming, and RDBMS technologies. Seeking a Software Engineering Internship to write testable, efficient code across the development lifecycle and contribute to innovative projects. Passionate about learning cutting-edge technologies and collaborating with dynamic teams to build exceptional digital products.

## EDUCATION

### University of Colombo School of Computing

B.Sc. (Hons) in Computer Science

May 2023 – Present

GPA: 3.71/4.00

- Director's List — (3 of 4 semesters: 1, 3, 4)

### Zahira College Colombo

Physical Science

2012 – 2021

Colombo, Sri Lanka

## SKILLS & INTERESTS

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

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

**Databases & Cloud:** MySQL, MongoDB, PostgreSQL, Supabase, AWS, GCP, Vercel

**Developer Tools:** Git, GitHub Actions, Docker, Figma, Postman, Jira

**Research:** Ontologies, Knowledge Graphs, Re-identification Risks in Data Privacy

## PROJECTS

### Evergreen Tea Factory Collection Platform

2025

- Web platform for low-country tea factories, suppliers, and collectors to automate collection scheduling, inventory, invoicing, and payment tracking, improving transparency and efficiency across the supply chain
- **Technologies:** PHP (MVC), JavaScript, MySQL, Google Maps API, GCP

### MotorTrace

2025

- Full-stack automotive service management platform with web app for auto repair shops and mobile app for vehicle owners, enabling appointment scheduling, service tracking, inventory management, and real-time updates
- **Technologies:** TypeScript, React, React Native, Node.js, Express, PostgreSQL, Supabase, Prisma

### Car Log

Ongoing

- Full-stack mobile application for vehicle owners to track maintenance records, service reminders, expense tracking, vehicle health monitoring, and service history management
- **Technologies:** Java, Spring Boot, React Native, PostgreSQL

## Note Nest

2025

- Full-stack note-taking application with AI-powered content generation, rich text editor, real-time auto-save, and secure authentication
- **Technologies:** Next.js, TypeScript, PostgreSQL, Drizzle, TipTap Editor, Gemini AI, Clerk, Neon

## Restaurant POS System

2025

- Built a full-stack point-of-sale system with RESTful API functionality, enabling efficient menu management, seamless order processing, and real-time sales reporting.
- **Technologies:** React, TypeScript, Express.js, PostgreSQL, Prisma, Tailwind, Shadcn, Vercel

## Fitness Trainer Chatbot

2025

- AI-powered fitness assistant that retrieves and summarizes workout routines and training information using vector search and LLMs, with AWS deployment for scalability
- **Technologies:** Python, Flask, LangChain, Pinecone, HuggingFace, Gemini API, HTML/CSS/JS, AWS

## Electra

2024

- E-commerce platform for computer shops with secure user management, real-time inventory, payment integration, and modular REST APIs
- **Technologies:** React, Node.js, Express.js, MongoDB

## CERTIFICATIONS

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Introduction to Cloud 101 (AWS Educate)

Data Science Foundations - 1 (IBM)

Python for Beginners (University of Moratuwa)

Github for Beginners (Microsoft)

## WORK EXPERIENCE

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### Inter-Continental Connections B.V.

2021 – 2022

Graphic Designer

Kaatsheuvel, Netherlands

- Created marketing materials, logos, and brand guidelines for client projects.

## VOLUNTEERING

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### IEEE Student Branch, UCSC

2023 – Present

Member

Colombo, Sri Lanka

### Computer Society of Zahira College Colombo

2019 – 2020

Editor-in-Chief

Colombo, Sri Lanka

## REFERENCES

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### Mr. Kenneth Thilakarathna

BIT (Col.), MPhil (Col.)

Senior Lecturer, University of Colombo School of Computing

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- Email: kmt@ucsc.cmb.ac.lk

### Mr. Malik Silva

BSc (Col), MSc (York)

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