

# Sahan Perera



✉ sahanvimukthi00@gmail.com

☎ 0778635445     Sahan Perera

🔗 sahanperera00

## Profile

As a highly motivated and skilled software engineering undergraduate, I bring a strong combination of technical expertise, problem-solving abilities, and a proactive mindset to deliver innovative solutions. My passion for software development drives me to continuously explore cutting-edge technologies and stay at the forefront of industry trends.

## Technologies

- Spring Boot
- React
- Docker
- GraphQL
- MongoDB
- Node.js
- Firebase
- MySQL
- Keycloak

## Education

**Bachelor of Science (Hons) in Information Technology specialized in Software Engineering**  
**SLIIT**

2021 – 2024 | Malabe, Sri Lanka

**GCE Advanced Level Examination – Combined Mathematics**  
**St. Joseph's College**

2016 – 2018 | Colombo 10, Sri Lanka

**GCE Ordinary Level Examination**  
**St. Joseph's College**

2014 – 2015 | Colombo 10, Sri Lanka

## Professional Experience

**Intern Software Engineer - Full Stack**  
**Rootcode Labs**

May 2023 – May 2024 | Colombo, Sri Lanka

### • Backend Development

- Design and develop server-side features using the Spring Boot framework.
- Utilized MariaDB as the relational database management system to store and retrieve application data.
- Used GraphQL as the API query language and runtime, providing a flexible and efficient way to retrieve data from the server.
- Used microservices using Docker, enabling easy deployment, scalability, and portability of the application.
- Used Keycloak, an open-source identity and access management solution.
- Used NATS, a high-performance messaging system, for efficient and reliable communication between microservices.

### • Frontend Development

- Develop responsive and user-friendly web interfaces using React, Tailwind.
- Integrate front-end components with back-end APIs to enable data exchange and functionality using GraphQL.

### • Deployment

- Hands-on experience deploying features both in the backend and frontend for stage and QA environments.

## Projects

### **CTSE Micro Service**

Developed a scalable and secure Node.js microservice with Express, deployed on AWS using ECR and ECS, leveraging GitHub Actions for CI/CD and implementing JWT token-based authentication.

Tools and Technologies:

Node.js, Express, AWS, Docker, JWT, GitHub Actions

### **HerStory**

#### **Consultation and Counseling Services**

Developed a web platform offering consultation, complaints, and counseling services to women who have experienced harassment or assault, providing support and resources.

Tools and Technologies:

MongoDB, Express.js, React, Node.js (MERN stack)

### **Vedra**

#### **E-commerce App for Ayurvedic Herbal Products**

Built an ecommerce website for Ayurvedic Herbal Products and Medicine, leveraging containerization and deployment.

Tools and Technologies:

MongoDB, Express.js, React, Node.js (MERN stack), Docker

## Awards

### **Award of SLIIT Scholarship 2023 SLIIT**

Aug 2023

Awarded a Full Scholarship in recognition of superior academic performance during the 1st semester of the 2nd year of the BSc(Hons) Degree in Information Technology with a 4.0 GPA.

### **Dean's List Award 2022 SLIIT**

Nov 2022

Got selected for the dean's list in recognition of academic excellence for the Year 2 Semester 1 of the BSc(Hons) Degree in Information Technology.

### **Award of SLIIT Scholarship 2022 SLIIT**

Jul 2022

Awarded a Full Scholarship in recognition of superior academic performance during the 1st semester of the 1st year of the BSc(Hons) Degree in Information Technology with a 4.0 GPA.

### **Dean's List Award 2021 SLIIT**

Nov 2021

Got selected for the dean's list in recognition of academic excellence for the Year 1 Semester 1 of the BSc(Hons) Degree in Information Technology.

## References

**Senura Vihan Jayadeva,**  
Senior Software Engineer,  
Pearson Lanka  
senurajayadeva@gmail.com,  
0779142664

**Rusiru Abhisheak Bandara,**  
Associate Technical Lead,  
Arimac Lanka  
rusiruavbwork@gmail.com,  
0776621324

## **Medsententials**

### **E-Medicine Mobile App**

Developed an eMedicine mobile app using React Native and Firebase to provide affordable and accessible healthcare, aiming to transform the healthcare experience for millions, regardless of location or financial situation.

Tools and Technologies:

React Native, Node.js, Firebase

### **Journeyly**

#### **Reservation and Finance Management System for a Travel Agency**

It is a web application that automates business operations and financial management of a travel agency. I led my team as the project leader, and also contributed to the "Travel Destination Management" and "Web Content Management" functions of this project.

Tools and Technologies:

React.js, MongoDB, Express.js, Node.js, React-bootstrap, Firebase, GitHub, Postman

### **Pepper St.**

#### **Mobile App for a Clothing Store**

It is a mobile application where a customer can buy clothes, explore new arrivals, and where the admin can do all the admin-related tasks (Add new arrivals, update details, remove items, and more). I led my team as the group leader, and my contribution to this project was to handle all admin-related tasks.

Tools and Technologies:

Java, Firebase, Android Studio, GitHub

### **OGOS**

#### **Online Grocery Ordering System**

It is a web application developed for the clients of a grocery store to order their goods through this web app and to handle admin side functions by the admin. My contribution to this project is to take care of the functions related to the client side, which are user registrations, ordering goods, and the shopping cart.

Tools and Technologies:

Java, JSP Servlet, CSS, JavaScript, Eclipse, SQL Workbench

### **Payrow**

#### **Online Job Portal**

Payrow is a web application built for people who are seeking job opportunities and they can view what are the available vacancies within different categories and apply for them accordingly. Contributed myself by implement the Home, Foreign Jobs, Local Jobs, and Online Jobs components.

Tools and Technologies:

HTML, CSS, JavaScript, PHP, Visual Studio Code, MySQL

## Organizations

### **MS Club of SLIIT**

#### **Vice President - 2024**

Contributed to projects, monitored their progress, and organized hackathons, webinars, and level-up sessions for members, showcasing leadership and technical skills.

### **Software Engineering Student Community of SLIIT**

#### **Vice Treasurer**

I assisted in financial operations, prepared budgets, and ensured responsibility for the organization's events and initiatives.