

## CONTACT

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<https://github.com/SahanMedhawa>

<https://sahanmedhawa.netlify.app>

## SKILLS

- Java
- Git & GitHub
- Node.js
- React
- Express
- JavaScript
- MongoDB
- Python
- C & C++
- Tailwind CSS
- PHP
- HTML
- SQL
- Agile & Scrum

## SOFT SKILLS

- Team Collaboration
- Project Management
- Time & Workload Management
- Adaptability & Fast Learning
- Leadership
- Effective Communication
- Problem-Solving

## LANGUAGES

- English
- Sinhala

# SAHAN MEDHAWA

SOFTWARE ENGINEERING UNDERGRADUATE

## PROFILE

Enthusiastic Software Engineering undergraduate at SLIIT with a 3.9 GPA and consistent Dean's List recognition. Strong foundation in programming, data structures, and problem-solving, with hands-on experience in software development, scalable web applications, backend systems, and full-stack development. Proficient in Java and modern web technologies, experienced with agile methodologies, and a collaborative team player seeking opportunities to contribute to real-world software projects..

## EDUCATION

- **Sri Lanka Institute of Information Technology** 2023 - 2027  
B.Sc. (Hons) in Information Technology - Specializing in Software Engineering
  - CGPA: **3.83** | Continuous **Deans List Awards** in every semester
- **University of Sri Jayewardenapura** 2024 - 2027  
B.sc. in Physics and ICT
  - Graduation Year - 2027
- **Royal College Colombo** 2012 - 2020  
Secondary Education
  - G.C.E. Advanced Level - Mathematics Stream | 2022(2023)  
Successfully completed with 3C s.

## LATEST PROJECTS

- **TeamSync - Team Collaboration & Employee Evaluation System**  
<https://github.com/SahanMedhawa/TeamSync>  
Tech: MERN Stack (MongoDB, Express.js, React.js, Node.js), GitHub
  - Developed a MERN stack web application to automate task management and employee performance evaluation across multi-branch organization
  - Implemented centralized task requesting, assignment, tracking, and auto-escalation for overdue tasks
  - Built role-based access control (RBAC) with secure authentication using JWT
  - Designed user centric, responsive multiple user portals (Employee, Management, HR/Admin) with real-time notifications
- **MediTrack - Smart Clinic Appointment & Queue Management System**  
<https://github.com/SahanMedhawa/MediTrack>  
Tech: MERN Stack (MongoDB, Express.js, React.js, Node.js), Jira, GitHub, Figma
  - Developed a web application to digitalize clinic appointment booking and real-time queue management, reducing patient waiting times and manual processes
  - Implemented patient registration, login, doctor listing, appointment booking, and live queue updates using Agile (Scrum) methodology
  - Built backend APIs for appointments, queue assignment, notifications, and rescheduling using Node.js, Socket.IO & MongoDB
  - Applied Scrum practices including sprint planning, daily stand-ups, reviews, and retrospectives using Jira
  - Collaborated in a 4-member team with clearly defined Scrum roles to deliver incremental, demo-ready features across multiple sprints

## REFERENCE

**Mr. Nelum Amarasena**

Senior Lecturer / SLIIT

Phone: 0719096100

Email: nelum.a@slit.lk

**Dr. Dinuka Wijendra**

Senior Lecturer (Higher Grade)

Phone: 0719525253

Email: dinuka.w@slit.lk

## PROJECTS

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### FoodLink - Mobile Food Redistribution Platform

[https://github.com/SahanMedhawa/FoodLink\\_UUE](https://github.com/SahanMedhawa/FoodLink_UUE)

Tech: React Native, Node.js, MongoDB, Firebase Auth, and Google Maps API

- Designed and developed a mobile application to connect food donors, NGOs, volunteers, and beneficiaries
- Conducted user research, interviews, surveys, personas, empathy maps, and journey maps
- Created wireframes and high-fidelity prototypes using Figma with accessibility-first UX
- Enabled real-time donation matching, pickup scheduling, notifications, and analytics
- Focused on inclusive design for low digital-literacy users
- Project aligned with UN Sustainable Development Goal 2 (Zero Hunger)

### StockWise - Online Stock / Inventory Management System

<https://github.com/SahanMedhawa/StockWise.git>

Tech: Java, Servlets, JSP, JSTL, JDBC, MySQL, HTML5, CSS3, Apache Tomcat

- Developed a full-stack web-based inventory management system using Java EE following MVC architecture and DAO design pattern
- Implemented complete CRUD operations for Products, Suppliers, Purchases, Orders, and Users using JDBC and MySQL
- Built secure user authentication and session management with admin-level access control
- Designed responsive UI using JSP, JSTL, HTML5, and CSS3 with reusable components
- Integrated automatic order total calculation based on product pricing and quantity validation
- Deployed and tested the application on Apache Tomcat with proper servlet mapping and error handling

## EXTRA-CURRICULAR ACTIVITIES

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### SLIIT Colours Award - 2024

- Awarded official SLIIT Colours in recognition of outstanding achievements and contributions in Sports

### All Island School Games - Runners Up 2015

- Achieved 2nd place at the national level in Carrom, demonstrating long-term commitment and high-pressure performance.

### Western Province Colours Award (2015)

- Recognized for regional excellence in sports, maintaining a balance between rigorous training and academic requirements.

### Performance Arts & Event Coordination

- Performed as a drummer for major Sri Jayewardenepura university events; collaborated with technical teams and organizers to manage equipment logistics and live performance schedules.