THUSHAKARAN BALASUBRAMANIYAM

Software Engineering Undergraduate | Full Stack Developer

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SUMMARY

Motivated Software Engineering undergraduate at the University of Kelaniya with hands-on experience in backend and full-stack development. Skilled in Spring Boot, Node.js, MySQL, and RESTful APIs. Passionate about solving real-world problems through clean, scalable code and eager to grow as a backend developer through challenging internships and projects.

EDUCATION

B.Sc. (Hons) in Software Engineering, University of Kelaniya   July 2023 - Present
Current GPA: 3.38

Diploma in Information Technology, ESOFT   Aug 2022 - July 2023

G.C.E. Advanced Level Examination - 2021, Jaffna College   May 2017 - June 2020
Combined Mathematics - A | Physics - B | Chemistry - B
Z-Score: 1.6422

TECHNICAL SKILL

- **Languages:** HTML/ CSS, JavaScript, Java, PHP, C
- **Frameworks / Libraries:** React.js, Node.js, Express.js, Spring Boot
- **Database:** MySQL, MongoDB
- **Software Tools:** Git, Postman, VS Code, IntelliJ Idea

SOFT SKILL

- Creativity
- Time Management
- Critical thinking
- Effective Communication
- Problem-solving
- Good Communications

PROJECTS

Online Appointment Booking System | Individual Project   Aug 2025

Developing a full stack system for an online appointment booking system with role-based access. Implemented dashboards for users, providers, and admins to manage appointments, schedules, and availability.
Tech Stack: Spring Boot, Java, MySQL, JPA (Hibernate), JWT, REST API, React, Vite, Tailwind
Link: Online Appointment Booking System

E-Commerce Website | Individual Project   **May 2025 - June 2025**

Designing and developing a full-stack e-commerce platform for seamless product browsing, cart management, and order processing. Features include user authentication, product/category management for admins, and secure checkout with integrated payment gateways. The system uses REST APIs and is fully responsive.

Tech Stack: MongoDB, Express.js, React, Node.js, Bootstrap, JWT, REST API

Link: E Commerce Website

Fuel Quota Management System | Group Project   **Dec 2024 – Feb 2025**

Built a full-stack system to manage fair fuel distribution using QR code-based tracking. It includes vehicle registration with DMT validation, QR code fuel quotas, real-time dashboards for admins and station owners, and a mobile app for scanning and updating fuel usage. Notifications are sent via SMS and email after each transaction.

Tech Stack: Spring Boot, MySQL, JWT, React, Vite, Bootstrap, React Native

Link: Fuel Quota Management System

Blood Donation Management System | Group Project   **Aug 2024 – Dec 2024**

Developed a responsive web application to connect blood donors and recipients efficiently. The system includes donor registration, location and blood-type-based search, real-time request tracking, and an admin panel for managing records. Designed for both desktop and mobile use.

Tech Stack: HTML, CSS, JavaScript, PHP, MySQL

Link: Blood Donation Project

LANGUAGES

- **Tamil (Native)**
- **English (Work proficiency)**

CERTIFICATION

Diploma in C programming - Alison | Certificate   **May 2023**

VOLUNTEER EXPERIENCE

- School prefect, **Jaffna College**
- Member of Software Engineering Students' Association, **University of Kelaniya**
- Member of Tamil Students' Association, **University of Kelaniya**

REFERENCE

Dr. Nalin Warnajith
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