KAVEESHA HESHAN SENARATHNA

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Professional Summary

I am dedicated Software Engineering undergraduate with a strong passion for full-stack development and building scalable, high-performance applications. Skilled in designing and developing server-side systems with a primary focus on backend architecture, APIs, and data handling, user-friendly frontend interfaces. solve real-world problems, and contribute to impactful software solutions in collaborative development environments.

Education

BSc (Hons) in Information Technology (Specialized in Software Engineering)   SRI LANKA INSTITUTE OF INFORMATION TECHNOLOGY (SLIIT) | 2022 – 2026

School Education

RAHULA COLLEGE, MATARA | 2019 – 2021

Technical Skills

- **Backend:** Node.js, Express.js, Spring Boot, JavaScript, TypeScript
- **Frontend:** React,Next.js Tailwind CSS, Material-UI,
- **Databases:** MongoDB, Firebase
- **Testing:** Postman, React Testing Library,

Project Experience

1. **Secure RESTful API for Personal Finance Tracker (IT3040 - IT Project Management| Group Project|2025)**

   - Architected management system using **Node.js**, **Express.js**, **MongoDB**, and **React.js frontend**
   - Engineered secure **RESTful APIs** supporting **.**
   - Integrated **JWT authentication** .
   - Constructed dashboard analytics in React (summary cards/charts/tables).
   - Implemented monthly downloads for exporting income/expense summaries with download/export functionality from the frontend

- Applied MVC architecture, maintained **CI/CD** (GitHub Actions).
- **Outcome**: Scored **75/100** for functionality and documentation.

2. **Healthcare Appointment & video consultation Platform   (Individual Project|2025)**

- Developed using **Node.js**, **Express.js**, **MongoDB**, and **React.js** frontend.
- **Role-based access control** (Patient/Doctor/Admin).
- Designed and implemented secure **RESTful APIs** . , Integrated **JWT** authentication.
- Built core data models (User, Appointment, Doctor, Patient, Prescription, Lab Result).
- Added video consultations with real-time notifications (**Jitsi integration)**.
- Engineered admin **dashboard analytics** in (summary cards/charts/tables).
- **Applied MVC architecture.**
- Used **CI/CD** version control.

2. **Photogram - Social Media Platform (IT303- Programming Application and Frameworks Group Project| Jun 2025)**

- Developed using **React.js, Spring Boot & Firebase**.
- Deployed secure authentication and authorization using **JWT**.
- Created responsive, feed-based UI with smooth animations and mobile-optimized navigation for seamless user experience
- Designed a complete text, image, and video posts with real-time feed updates.
- Enabled user interactions including likes and comments.
- Built scalable and secure **REST APIs**, Used **CI/CD** version control

- **Outcome**: Scored **72/100** for functionality and documentation