

# Sankavi Thayaparan

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## Career Objective

Software Developer with a strong programming foundation, seeking a Development Intern role to apply skills in React and Java for developing efficient web applications. Skilled in problem-solving and team collaboration, with a commitment to continuous learning and delivering practical solutions.

## Education

**University of Colombo School of Computing**, BSc in Computer Science

May 2023- Present

GPA: 3.06

**Key Modules:** Rapid Application Development(React), Advanced Computer Architecture ,Software Engineering Principles, Database, Data Structure and Algorithms, Programming and Problem Solving.

## Projects

**BusHub LK | Full Stack Public Transport Management System** | Collaborative Project | [Link](#) Ongoing

- **Technologies & Tools:** node.js, React.js, React Native, PostgreSQL, AWS, Git/GitHub
- Developed a comprehensive, full-stack digital platform to modernize and streamline the operations of the Sri Lanka Transport Board (SLTB) .This project replaced inefficient paper-based workflows with a dual-platform solution : a web-based administrative dashboard for SLTB management to handle fleet monitoring, maintenance scheduling, and route management , and a cross-platform mobile app for passengers featuring live bus tracking, route searching, fare calculation, and feedback submission.

**Apex Finance | Full-Stack Personal Finance Dashboard** | Personal Project | [Link](#) Ongoing

- **Technologies & Tools:** Next.js, React, TypeScript, Tailwind CSS, Prisma, NextAuth.js, SQLite, Framer Motion, Recharts
- Developed a full-stack personal finance dashboard to securely manage and visualize financial data. Implemented a modern, responsive front-end with Next.js and React, featuring data visualization with Recharts and fluid animations with Framer Motion. Engineered the back-end logic using Next.js API Routes for RESTful services, handling CRUD operations and data exports. Utilized Prisma as a type-safe ORM for database management with SQLite and integrated NextAuth.js for secure user authentication.

**Sameepa | Full Stack Closed Community Management Platform** | Collaborative Project | [Link](#) 2024

- **Technologies & Tools:** PHP, MySQL, JavaScript, HTML, CSS, Apache, Git/GitHub, Figma.
- Developed a comprehensive, full-stack web platform to digitize operations and enhance connectivity within closed residential communities. Engineered a feature-rich system with role-based access for residents, admins, security, and maintenance staff using PHP and MySQL for the back-end and database, and JavaScript, HTML, and CSS for the user interface. Key functionalities include facility booking, visitor management, maintenance requests, community forums, and event management.

**Secure Login & Authorization API | Backend Development**| Personal Project | [Link](#) 2025

- **Technologies & Tools:** Java, Spring Boot, Spring Security, JWT, Maven, H2, RESTful APIs, GitHub.
- Developed a secure, stateless backend API to handle user authentication and authorization for modern web applications. Implemented Spring Security for the core security framework, JSON Web Tokens (JWT) for stateless session management, and Spring Data JPA for database communication. The system features password hashing with BCrypt and secures endpoints using Role-Based Access Control (RBAC).

**AgroMart E-commerce Platform | Full-Stack Development** | Collaborative Project | [Link](#) 2024

- **Technologies & Tools:** Node.js, Express.js, React, MongoDB, Stripe API, JWT.
- Built a full-stack e-commerce site using the MERN stack (MongoDB, Express, React, Node.js).Developed a secure RESTful API to manage products, users, and orders, implementing JWT for authentication and the Stripe API for payment processing.Created a responsive React front-end for product browsing, shopping cart management, and a seamless checkout experience.

## Skills

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- **Programming Languages:** Java, JavaScript, Python, C, Scala
- **Web Development:** React.js, Spring Boot, Node.js, Django, Next.js (API Routes), Spring Security, Tailwind CSS
- **Database Technologies:** MongoDB, MySQL, PostgreSQL, SQLite, H2
- **Tools and Platforms:** Git, GitHub, AWS, Docker, Maven, Figma
- **Interest:** Frontend Development, Full-stack Development
- **Soft Skills:** Fast Learning, Problem Solving

## Certifications

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- Front End Development Libraries – freeCodeCamp
- HTML, CSS, and JavaScript for Web Developers – Coursera
- Next.js Essential Training - LinkedIn Learning
- Machine Learning with Python: Foundations - LinkedIn Learning

## References

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