

Sankavi Thayaparan

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Colombo, Sri Lanka

ABOUT ME

Software Engineer with proven skills in full-stack development, leveraging expertise in Java and React to design and build efficient applications. A collaborative problem-solver dedicated to continuous improvement and contributing to innovative and practical software solutions.

EDUCATION

University of Colombo School of Computing

May 2023 - Present

BSc in Computer Science

GPA: 3.06

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

PROJECTS

BusHub LK — Full Stack Public Transport Management System

🔗 GitHub 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).
- Replaced inefficient paper-based workflows with a dual-platform solution: a web-based administrative dashboard and a cross-platform mobile app for passengers.

Apex Finance — Full-Stack Personal Finance Dashboard

🔗 GitHub Link 2025

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, featuring data visualization with Recharts and fluid animations.
- Engineered back-end logic using Next.js API Routes for RESTful services and utilized Prisma for type-safe database management.

Secure Login & Authorization API — Backend Development

🔗 GitHub 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 using Spring Security and JWT.
- System features password hashing with BCrypt and secures endpoints using Role-Based Access Control (RBAC).

Sameepa — Full Stack Closed Community Management Platform

🔗 GitHub Link 2024

Technologies & Tools: PHP, MySQL, JavaScript, HTML, CSS, Apache, Git/GitHub, Figma

- Developed a 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, and staff.

- Built a full-stack e-commerce site using the MERN stack.
- Developed a secure RESTful API to manage products, users, and orders, implementing JWT for authentication and Stripe for payments.

SKILLS

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
Methodologies	Software Development Life Cycle (SDLC), Agile Concepts
Languages	Tamil and English

EXPERIENCE

RAC UCSC installation — Volunteering as a logistic team member in Rotaract Club of UCSC installation 2024

CERTIFICATIONS

- 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

Mr. Kenneth Thilakarata Lecturer - UCSC kmt@ucsc.cmb.ac.lk +94 773479547	Dr. L.N.C. De Silva, B.Sc. (Pdn), Ph.D. (Col) Senior Lecturer - UCSC lnc@ucsc.cmb.ac.lk +94 773889156	Mr. Shinthujen Inpagaran Software Engineer - Pagero shinthujeni@gmail.com +94 758519048
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