VANAIYALINI KIRUPAGARAN

Software Engineering Undergraduate

Malabe, Colombo, Sri Lanka

Phone: +94 77 617 2524

Email: kyalini2001@gmail.com

LinkedIn: https://linkedin.com/in/vanaiyalini-kirupagaran-743923269

GitHub: https://github.com/Vanaiyalini

Portfolio: https://portfolio-one-jet-67.vercel.app/

PROFESSIONAL SUMMARY

Software Engineering undergraduate with hands-on experience in full-stack web and mobile application development. Skilled in MERN stack (MongoDB, Express.js, React.js, Node.js), Java, Spring Boot, and Android development. Strong understanding of OOP principles, RESTful APIs, database design, and secure authentication. Experienced in building scalable systems including hospital, event, and finance management platforms. A proactive team player with leadership experience and strong problem-solving skills.

EDUCATION

BSc (Hons) in Information Technology - Software Engineering
Sri Lanka Institute of Information Technology (SLIIT), Malabe
2023 – Expected 2027

- Gained proficiency in Java, JavaScript, HTML/CSS, MongoDB, MySQL, React.js, Next.js, React Native, and Spring Boot**.**
- Developed practical projects using MERN stack including Hospital management system and Task management applications.
- CGPA : 3.45 / 4.00

PROJECTS

Online Auction Platform | PHP, HTML, CSS, JavaScript
Live site | Git Hub
- Independently developed a full-featured web platform enabling product bidding and selling.
- Implemented secure user authentication (login/registration) and designed an intuitive user interface.
- Integrated frontend and backend components for seamless application operation.

Event Management System | Java, JSP, Servlets
Git Hub
- Built a dynamic web application for event creation, booking management, and portfolio showcasing.
- Ensured smooth frontend-backend integration using Java technologies for effective data handling.

Hospital Management System | MERN Stack (MongoDB, Express.js, React, Node.js)
Live Site | GitHub
- Developed a full-stack hospital management system using the MERN stack.
- Implemented online billing and payment integration modules.
- Built a customer support module to manage patient queries efficiently.
- Designed RESTful APIs and ensured secure authentication and data handling

Finance Tracker App | Android Studio, SQLite
- Developed a mobile application to track income, expenses, and monthly budgets.
- Designed user-friendly interfaces using Android Studio.
- Implemented secure local data storage and retrieval using SQLite.
- Generated financial summaries to support user spending analysis.

Pet Adoption Shop | Figma, Android Studio (XML)

Live site
- Designed a complete UI/UX prototype for a pet adoption platform using Figma.
- Focused on intuitive navigation and visually appealing layouts.
- Implemented the UI design in Android Studio using XML layouts.
- Created functional screens for browsing pets and adoption details.

Task Management App | MERN Stack (MongoDB, Express.js, React, Node.js)

Live site | Git Hub
- Developed an individual task management application with full CRUD functionality.
- Implemented task prioritization and completion tracking features.
- Built a responsive user interface using React.js.
- Ensured persistent data storage using MongoDB.

Smart Wastage Management System | Spring Boot, React

Live site | Git Hub
- Developed a web-based system to manage waste collection and generation workflows.
- Implemented real-time data processing and automated notifications.
- Integrated secure payment gateway functionality.
- Designed analytical dashboards and reporting features for decision-making support.

SKILLS

- Programming Languages: Java, JavaScript, Python, C, Kotlin
- Frontend Technologies: React.js, Next.js, HTML5, CSS3
- Backend Technologies: Node.js, Express.js, Spring Boot, PHP
- Databases: MongoDB, MySQL, SQLite
- Mobile Development: Android Studio, XML, Kotlin
- APIs & Architecture: RESTful APIs, MVC Architecture
- Version Control: Git, GitHub
- Cloud & DevOps: AWS (Beginner), CI/CD (Basic)
- Tools: Jira, VS Code, IntelliJ IDEA

CERTIFICATIONS

- Introduction to Front-End Development (Coursera)
- Introduction to Back-End Development (Coursera)
- Python Programming (Coursera)
- Programming with JavaScript (Coursera)
- MongoDB Database Admin Path (MongoDB)
- MongoDB PHP Developer Path (MongoDB)

LANGUAGES

- English (Fluent)
- Tamil (Native)
- Sinhala (Beginner)