


Mayura Abhayasinghe

IT UNDERGRADUATE | INTERN SOFTWARE ENGINEER

Colombo, Sri Lanka | abhayasinghemayura@gmail.com | +94705503137

 : [Mayura Abhayasinghe](#) |  : [mayuraabhayasinghe](#) |  : [Portfolio](#)

PROFILE

An IT undergraduate at the Sabaragamuwa University of Sri Lanka, developing a strong foundation in software development, database management, and web technologies. Experienced in working with JavaScript, React, Node.js, Tailwind CSS, SQL, MongoDB, and passionate about building practical, user-focused applications. Demonstrated leadership and teamwork through leading full-stack projects and collaborating effectively in group environments. Eager to apply academic knowledge and technical skills to gain hands-on experience and contribute to real-world IT solutions.

EDUCATION

BSC (Hons) in Computing and Information Systems

Expected Graduation, Aug 2027

Sabaragamuwa University of Sri Lanka

- **Related Coursework:** Data Structures & Algorithms | Object-Oriented Programming | Database Management Systems | Web Application Development

General Certificate of Education Advanced Level – Physical Science Stream

2021

Royal College, Colombo 07

SKILLS

Technical Skills

- **Programming Languages:** JavaScript | Java | SQL
- **Frameworks & Libraries:** React.js | Express.js | Tailwind CSS
- **Backend & Cloud Technologies:** Node.js | Supabase
- **Frontend Development & Design:** HTML | CSS | Figma
- **Database Management:** MongoDB | MySQL
- **Version Control & Tools:** Git | VS Code

Personal Skills

- Problem-Solving
- Teamwork
- Responsibility
- Communication
- Creativity
- Critical Thinking

PROJECTS

The Perfect Buddy(TPB) | [Live](#) | [GitHub](#)

Aug 2025 - Ongoing

Team Lead

A full-stack web platform that connects tennis players by enabling them to host or join games, send and manage requests, and rank players based on performance.

- Developed full-stack features, including authentication, game request management, and profile pages with edit functionality, ensuring a responsive and user-friendly interface.
- Engineered front-end architecture using React functional components and Context API for scalable state management.
- Integrated and implemented Supabase backend with PostgreSQL for authentication, database operations, file storage, and automated operations.
- Optimized database design with relational mapping and automated data handling to ensure data integrity and performance.

Technologies: React.js | Supabase | PostgreSQL | JavaScript | Tailwind CSS | Google OAuth

MoneyMap – An Expense Tracking System | [Live](#) | [GitHub](#)

Oct 2025 - Ongoing

Individual

Created a responsive MERN-based web application to manage personal finances with data visualization and report generation.

- Implemented JWT-secured authentication with user dashboards for income and expense management.
- Designed an intuitive interface with summary cards, category-based expense tracking, and recent transactions.
- Integrated interactive Bar, Pie, and Line charts using Chart.js for financial insights.
- Automated Excel report generation for income and expense data using XLSX library.

Technologies: React.js | TailwindCSS | Node.js | Express | MongoDB | JWT | Chart.js | XLSX

DengueGuard | [Demo](#) | [GitHub](#)

Mar 2025 – Jul 2025

Team Member

Built a MERN stack web application to support real-time dengue patient management & monitoring, including vitals tracking, notifications, and reporting.

- Developed an authentication module using JWT, ensuring secure access for different user roles.
- Implemented patient vitals form and submission logic, enabling staff to record and manage real-time data.
- Created a real-time high-risk patient listing based on submitted vital conditions using Socket.IO.
- Built and integrated backend APIs for the patients page in the staff dashboard.
- Visualized patient vitals through interactive tables and charts.

Technologies: React.js | TailwindCSS | Node.js | Express | MongoDB | Socket.IO | JWT | Chart.js

University Vehicle Allocation System | [GitHub](#)

Jun 2025 – Sep 2025

Team Member

Developed an online platform that automated the university's vehicle allocation process, featuring request submissions and approval via email notifications.

- Contributed to frontend development by building the landing page and the user profile creation page.
- Collaborated with team members to integrate responsive UI using HTML, CSS/Bootstrap, and Laravel Blade templates.

Technologies: Laravel | HTML | CSS | Bootstrap | MySQL | Jetstream | Git

CERTIFICATIONS

- | | |
|---|-----------------|
| • The Complete JavaScript Course 2025 – Credential | Oct 2025 |
| • AWS – Introduction to Generative AI - Credential | Oct 2025 |

EXTRACURRICULAR ACTIVITIES AND ACHIEVEMENTS

- Semifinalist - Cre8X 1.0 inter-university designathon organized by Sir John Kotelawala Defence University.
- Participant - hackX 9.0 inter-university startup challenge organized by the University of Kelaniya.

REFERENCES

Mr. GACA Herath

Lecturer (Probationary)

Faculty of Computing, Sabaragamuwa University of Sri Lanka

Phone: +94 71 114 0585

Email: anuradha@foc.sab.ac.lk

Mr. Vishwa Meegalla

Lead Software Engineer, Virtusa

Tel: +6589293229

Email: vishvameegalla@virtusa.com