



Mayura Abhayasinghe

IT UNDERGRADUATE | INTERN SOFTWARE ENGINEER

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

PROFILE

Motivated IT undergraduate with over 2 years of academic exposure in Computing and Information Systems. Possesses a solid foundation in software development, database management, and modern web technologies, including JavaScript, React, Node.js, Tailwind CSS, SQL, and MongoDB. Demonstrates strong problem-solving, leadership, and teamwork abilities through leading 2 full-stack projects and collaborating effectively in diverse technical environments. Eager to apply technical knowledge and innovative thinking to contribute to real-world IT solutions and professional growth.

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
- Responsibility
- Creativity
- Teamwork
- Communication
- 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

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

MoneyMap – An Expense Tracking System | [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

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
Credential ID: UC-000771d0-a3f2-4121-b799-28418a16e264

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. Vishwa Meegalla

Lead Software Engineer, Virtusa

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