Mayura Abhayasinghe

IT UNDERGRADUATE | INTERN SOFTWARE ENGINEER

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in : 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   **Aug 2023 - Present**
Sabaragamuwa University of Sri Lanka

- **Related Coursework:** Data Structures & Algorithms (DSA) | Object-Oriented Programming (OOP)**|** Database Management Systems (DBMS) | 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 | GitHub | 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 | Tailwind CSS | 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 | Tailwind CSS | 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
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