

Chathumi Rathnayaka

FullStack Developer

Homagama, Colombo, Sri Lanka

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PROFESSIONAL SUMMARY

Undergraduate student specializing in Information and Communication Technology with strong skills in full-stack development, UI/UX design, API development, databases, and modern web technologies. Experienced in building responsive front-end interfaces and scalable back-end systems using the MERN stack. Passionate about solving real-world problems through clean, efficient, and maintainable code. Seeking an internship to apply technical expertise and expand industry experience.

SKILLS

- **Programming Languages:** JavaScript, TypeScript, Java, Python, C, PHP
- **Front-End Development:** HTML, CSS, TypeScript, TailwindCSS, Next.js, Bootstrap, React, Vue
- **Back-End Development:** Node.js, Express.js, Mongoose, JWT, Clerk Authentication
- **Databases:** MongoDB, MySQL, Firebase Firestore, SQLite
- **Tools & Technologies:** Git, GitHub, Docker, Postman, CI/CD, Figma, Canva, Adobe Illustrator
- **Deployment / Hosting:** Netlify, Vercel, Render
- **Operating Systems:** Windows
- **Soft Skills:** Problem-Solving, Critical Thinking, Teamwork, Communication, Adaptability

PROJECTS

- **Expense Tracker – Personal Finance Management Web Application (Personal Project) | [LINK](#)**

A full-featured finance management system designed to help users track income and expenses efficiently. Developed end-to-end using the MERN stack, enabling users to add, edit, and delete income/expense entries, monitor their total balance, and visualize financial data clearly through charts and analytics.

Tech Stack: MongoDB, Express.js, React, Node.js, TailwindCSS, Shadcn UI

Key Skills: CRUD Operations, REST API Development, Data Visualization, State Management, Excel Export, Responsive UI

- **EasyQuiz – Role-Based Online Quiz Management System (Personal Project) | [LINK](#)**

A role-based quiz management platform built using the MERN stack, enabling seamless interaction between students and administrators. The system includes secure authentication, subject-wise quizzes, performance tracking, and full administrative control over users and quiz content.

Tech Stack: MERN Stack, TailwindCSS, Shadcn UI, React Hook Form

Key Skills: RBAC, Authentication, CRUD, Data Export, UI/UX Design, API Development

- **Solar Vision – Real-Time Solar Energy Monitoring & Anomaly Detection Dashboard (Ongoing Project) | [LINK](#)**

A comprehensive web application designed to monitor real-time solar energy production, visualize system performance, and detect operational anomalies. Responsible for designing intuitive user interfaces, building secure APIs, implementing backend business logic, and managing efficient data storage using the MERN stack.

Tech Stack: MERN Stack, TailwindCSS, Shadcn UI, Clerk

Key Skills: Data Visualization, Real-Time Monitoring, State Management, API Security, UI Implementation

- **Internship Management System (Academic Project) | [LINK](#)**

Developed a full-stack web application to manage undergraduate internship information, enabling students and faculty to submit, track, and analyze internship records. Implemented role-based access, resource downloads, feedback, and reporting through a responsive web interface.

Tech Stack: React.js, Node.js, Express.js, MySQL

Key Skills: Web Development, Project Management, Team Collaboration

EDUCATION

Bachelor of Information and Communication Technology (Hon's)

University of Colombo, Sri Lanka.

2023 - Present

G.C.E Advanced Level Examination

Completed with 1A 2B passes in Technology Stream

2021

CERTIFICATIONS

- Python for Beginners – University of Moratuwa
- Web Design for Beginners – University of Moratuwa
- Front-End Web Development – University of Moratuwa
- Server-Side Web Programming – University of Moratuwa
- Postman API Fundamentals Student Expert – Postman

REFERENCES

Dr. N.T Weerawarna
Senior Lecturer,
B.Sc. Hons (SLIIT), M.Sc.(SLIIT),
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