CHARITH WANNISINGHA

FULL-STACK DEVELOPER & AI ENTHUSIAST

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PROFESSIONAL SUMMARY

Passionate Full-Stack Developer and Software Engineering student dedicated to building robust, scalable, and user-centric digital solutions. Expertise spans across the MERN stack, Backend architecture, cross-platform Mobile/Desktop applications, and AI integration. Adept at transforming complex challenges into clean, efficient code and delivering high-quality, intelligent architectures. Actively seeking opportunities to contribute to digital innovation and AI-driven solutions.

EDUCATION

Full Stack Development Course| *Asyntax Coding School Apr 2026 - Jun 2026*

- Completed an intensive 8-week program focused on designing, developing, and deploying modern web applications using industry-standard tools.

Backend Development Course| *Asyntax Coding School Jan 2026 - Mar 2026*

- Gained practical skills in API development, secure authentication, and server-side programming through an 8-week training program.

GCE Advanced Level | *Royal College Monaragala Jan 2023 - Dec 2025*

- Successfully completed the General Certificate of Education Advanced Level examinations.

GCE Ordinary Level | *Mo/Madulla National College Jan 2012 - Dec 2022*

- Successfully completed and passed the General Certificate of Education Ordinary Level examinations.

SKILLS

Technical Skills:

- **Languages:** JavaScript, TypeScript, Python, Dart, C#, Java, PHP, HTML5, CSS3
- **Frontend & Backend:** React.js, Next.js, Node.js, Express.js, FastAPI, .NET, Laravel, Bootstrap, Tailwind CSS, GraphQL

- **Mobile & Desktop:** Flutter
- **Cloud, Databases & CI/CD:** Azure, Firebase, Supabase, MongoDB, Git, GitHub
- **AI & Machine Learning:** TensorFlow, Keras, PyTorch, Scikit-learn, OpenCV
- **Tools & Platforms:** VS Code, Visual Studio, Android Studio, IntelliJ IDEA, Figma

Soft Skills:

- Problem Solving & Analytical Thinking
- Team Leadership & Collaboration
- Adaptability to Emerging Technologies
- Effective Communication
- **Languages:** English (Intermediate) & Sinhala (Native)

EXPERIENCE

Freelance Software Engineer| *White Coder Sep 2025 - Present*

- Focused on developing and integrating AI-driven solutions to automate processes and solve complex real-world problems.
- Collaborated on technical projects utilizing modern web technologies to build scalable and intelligent system architectures.

Content Executive (Volunteer) | *HND Study Hub Aug 2025 - Present*

- Managing data and digital operations for smooth educational content delivery.
- Optimizing workflows and maintaining digital infrastructure to enhance user experience.

KEY PROJECTS

Advanced Web-Based POS System

- **Technologies:** React.js, Tailwind CSS, Node.js, Express.js, MySQL
- Engineered a highly scalable, modern enterprise Point of Sale (POS) system.
- Implemented role-based access control (RBAC), real-time inventory tracking, and offline capabilities.
- Integrated advanced analytics to help business owners track sales and operational data efficiently.

Folio - AI-Powered Portfolio Builder

- **Technologies:** JavaScript, Tailwind CSS, Docker, REST APIs, Groq AI
- Developed an AI-powered developer tool that instantly compiles user resumes into a professional digital presence.
- Integrated Groq AI to automate content generation and optimize user portfolios.
- Deployed containerized backend services using Docker to ensure seamless scalability.

Emergency SOS & Location Sharing Platform

- **Technologies:** React Native, Laravel (PHP), JavaScript, MySQL
- Engineered a real-time safety platform: mobile app and web admin dashboard.
- Implemented instant SOS alerts and live location tracking functionality.
- Created an incident analytics dashboard with email notifications.

Rent.lk - Vehicle Rental Management App

- **Technologies:** Flutter, Dart, Firebase
- Developed a complete cross-platform mobile solution for vehicle rental management.
- Architected a secure, multi-tier user system with role-based access for Admins, Staff, and Customers.
- Integrated real-time vehicle booking and secure payment tracking features.

📌 **Note:** Click on the project titles above to view them directly. To explore my complete collection of source codes and other technical works, please visit my GitHub profile: github.com/charithwannisingha

REFERENCES

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