

DESHAN SIRIWARDHANA

BSc (Hons) Software Engineering | Full-Stack Developer

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LinkedIn: <linkedin.com/in/deshan-siriwardhana> |

Portfolio: <deshan2004.github.io/Deshan-Portfolio>

PROFESSIONAL SUMMARY

Results-driven Software Engineering student and Full-Stack Developer with a solid foundation in PHP, Java, and JavaScript. Proven experience in building scalable web applications, such as an Employee Project Management System and the CineMate movie management platform. Proficient in modern frontend frameworks like React.js and backend integration with MySQL. Strong understanding of the Software Development Life Cycle (SDLC) and manual testing. A collaborative team player with a passion for developing community-driven tech solutions like TailWatch..

TECHNICAL SKILLS

- **Languages:** PHP, Python, JavaScript (ES6+), Java, C
 - **Web Technologies:** React.js, Node.js, HTML5, CSS3, Angular
 - **Databases:** MySQL, MongoDB, Firebase , Oracle , PostgreSQL
 - **Quality Assurance:** Manual Unit Testing, JUnit, Apache JMeter, SDLC model(Agile Model)
 - **Tools & Platforms:** Git, GitHub, Vercel, Intelij, XAMPP, SPSS, VS Code , Figma, Android Studio
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KEY PROJECTS

CineMate – Dynamic Movie Management Platform

- **Frontend:** HTML5, CSS3, JavaScript (ES6+).
- **Backend:** PHP
- **Database:** MYSQL
- Developed a responsive web application for browsing and managing movie data.
- Integrated external APIs to fetch real-time movie information with an optimized search functionality.

EduConnect – Multi-panel Learning Management System (LMS)

- **Frontend:** HTML5, CSS3, JavaScript.
- **Backend:** PHP.
- **Database:** MySQL.
- Built a comprehensive Full-Stack LMS featuring separate dashboards for Admins, Teachers, and Students.
- Implemented core functionalities including course enrollment, assignment management, and secure login systems.

TailWatch – Community-Powered Stray Dog Care Platform

- **Frontend:** HTML5, CSS3, JavaScript.
- **Backend:** PHP
- **Database:** Firebase Realtime Database / Firestore.
- Developed a community-driven web solution for tracking stray dog vaccinations and rabies prevention.
- Leveraged Firebase for real-time data synchronization and secure cloud storage of vaccination records.

Employee Project Management System

- **Frontend:** HTML5, CSS3, JavaScript.
- **Backend:** PHP.
- **Database:** MySQL.
- Developed a centralized management portal to track employee tasks, project deadlines, and overall progress.
- Implemented a secure authentication system and role-based access control (RBAC) for admins and employees.
- Designed the database schema to handle multiple projects and task assignments efficiently.

Neth-Sawan – AI-Driven Accessibility Platform

- **Frontend:** React.js.
- **Backend:** Node.js / Google Generative AI SDK.
- **Database:** MongoDB .
- Built a digital assistant providing object recognition and speech-to-text services for accessibility.

ShelfLife AI – Smart Inventory Tracker

- **Frontend:** React.js, Tailwind CSS.
 - **Backend:** Node.js.
 - **Database:** Firebase.
 - Developed an intelligent inventory management system to monitor product expiry dates and reduce resource waste.
 - Integrated AI-driven predictive logic to provide automated alerts and notifications before product expiration.
 - Designed a clean, minimalist dashboard for real-time tracking of stock levels and categories.
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EDUCATION

BSc (Hons) in Software Engineering [CINEC Campus] | Malabe, Sri Lanka | [2024 – Present]

- **Relevant Modules:** Data Structures & Algorithms, Web Development, Software Quality Assurance, Database Management Systems.

G.C.E. Advanced Level [Swarna Jayanthi College| Kegalle] | [2022]

- **Results:** [Combined Maths: S, Physics: S, Chemistry C]
- **Stream:** Physical Science

G.C.E. Ordinary Level [Ruwanwella Royal College|Ruwanwella] | [2019]

- **Results:** [5 A , 2 B , 2 C]
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RESEARCH & EXTRA-CURRICULAR

Student Social Media Addiction Analysis

- Conducted comprehensive data cleaning and statistical analysis using SPSS to evaluate social media usage patterns among undergraduates.
- Analyzed the correlation between digital habits and academic performance, providing data-driven insights.
- Documented research findings to highlight the psychological impact of excessive social media consumption.

Team Collaboration & Leadership

- Collaborated in agile team environments for various software projects, including the "EduConnect" LMS platform.
 - Actively participated in technical meetups and workshops to stay updated on emerging Full-Stack and AI technologies
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ADDITIONAL SKILLS

- **Languages:** Sinhala (Native), English (Professional Working Proficiency).
 - **Soft Skills:** Effective Communication, Team Collaboration, Problem-Solving, Adaptability, Time Management.
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CERTIFICATIONS

- Certified in Basics of Machine Learning Algorithms (Level 7) | Algorithms & Decision Trees | Naive Bayes | Machine Learning Enthusiast - Uni Athena
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REFERENCES

Available upon request.