MERRY ASHA KULAS THARSIUS
Software Engineer

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📌 Mannar, Sri Lanka

SUMMARY

Aspiring Software Engineer with hands-on experience in Laravel, PHP, Bootstrap, SQL and academic personal project experience in Next.js, JavaScript, React and MongoDB . Skilled in building responsive and user-friendly web applications with focus on clean code, performance, and secure development practices. Passionate about learning modern technologies, solving real-world problems, and collabrating in agile environments to deliver impactful solutions.

PROFESSIONAL EXPERIENCE

Full-Stack Developer   **Feb 2025 – Jul 2025**
IMSS (PVT) LTD

- Built and maintained full-stack web applications using PHP, Laravel, Bootstrap, and SQL, contributing to key product improvements.
- Implemented new features and optimized existing functionalities for enhanced user experience and performance.
- Worked in an agile team environment, participating in sprint planning, stand-ups, and collaborative development sessions.
- Managed tasks, progress, and deliverables efficiently using Jira.
- Performed code reviews, debugging, and testing to ensure reliability, maintainability, and high code standards.
- Applied software development best practices to streamline processes, reduce technical debt, and support continuous product growth

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PROJECTS

- **Fabric Defect Detection Using Machine Learning**

A machine learning–powered fabric defect detection system built as my final year project, enabling automated identification and classification of fabric defects to improve quality control. Developed with a reliable tech stack using Python, PyTorch, and OpenCV, incorporating a ResNet18 model for accurate defect classification and a Tkinter GUI for interactive display of results and corrective suggestions.

- **BakeHouse and Cafe website** - view

A bakery web application designed to showcase products, display promotional offers, and feature customer reviews to strengthen the shop's digital presence. Built with Next.js, React, Tailwind CSS, and MongoDB, with integrated email and WhatsApp communication to enable seamless interaction between customers and the bakery owner.Planned enhancements include user authentication, role-based access, and cart functionality to extend usability and improve customer experience.

- **Pharmacy Point Of Sale** - view

  Built a responsive web-based pharmacy management system using Next.js, Tailwind CSS, Prisma, and MongoDB. Implemented inventory tracking, billing, barcode-based medicine management, and reports, streamlining pharmacy operations and improving efficiency.

- **Laboratory Management System**

  Developed a full-featured LIMS using Larave 11 and Livewire, handling patient management, test and inventory management, billing, stock control, report generation, APIs, and SQL database operations for streamlined laboratory workflows.

SKILLS

- **Programming Language** – PHP, TypeScript, Java (basics), Python (basics)
- **Web Developmen**t - HTML, CSS, JavaScript, Bootstrap.
- **Frameworks and Libraries** - Laravel,Livewire, Next.js, React.js, Tailwind CSS
- **Database** - SQL, MongoDB, Prisma ORM
- **Version Control** - Git, GitHub
- **API Testing & Development** – PostMan, Hoppscotch
- **Operating System** - Windows, Ubuntu(basics)
- **Soft Skills** - Leadership, Time Management, Communication, Team Work, Problem Solving, Presentation Skills

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EDUCATION

- **Bachelor of Science in Computer Science**.   **Aug 2021 – Dec 2024**

  Eastern University, Sri Lanka – Trincomalee Campus.
- **G.C.E Advanced Level – Physical Science Stream**   **Jun 2016 – Jul 2019**

  St.Fatima MMV - Pesalai.

CERTIFICATIONS

- Prompt Engineering
- GenarativeAI
- Microsoft Learn Achievements

REFERENCES

- **Ms Khethika Subramaniam**

  Senior Lecturer, Trincomalee Campus – Eastern University, Sri Lanka.
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- **Mr M I Mohammed Rijath**

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