Wathsika Pallimulla

Intern Software Engineer

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GitHub: https://github.com/Wathsika | **Portfolio:**

SUMMARY

I am a dedicated Software Engineering undergraduate at SLIIT (GPA: 3.33) with a strong technical foundation in Full-Stack development using Java and the MERN stack. Through various collaborative academic projects, I have developed a proven ability to deliver functional, user-centric solutions while maintaining a commitment to teamwork, clean code, and efficient problem-solving. I am currently seeking a Software Engineering Internship to leverage my technical expertise and contribute to the development of innovative, high-impact software systems.

EDUCATION

Sri Lanka Institute of Information Technology, Malabe, Sri Lanka   **2023 October - Present**

BSc (Hons) in Information Technology, specializing in Software Engineering
GPA: 3.33 (first four semesters); Expected Graduation: October 2027
Relevant Coursework: Data Structures, Algorithms, Object-Oriented Programming, Database Management, Mobile App Development

Richmond College, Galle, Sri Lanka   **2008 - 2021**

G.C.E O/L and A/L Examination - Physical Science

SKILLS

Technical Skills:

Programming Languages: Python, C, Kotlin, PHP, Java, C++, JavaScript, R
Web Development: React, Express.js, HTML, XML., Node.js, MongoDB, CSS, Tailwind CSS
Mobile Development: Android Studio, Kotlin
Databases: MySQL, MongoDB
Tools and Platforms: Eclipse, VS Code, GitHub, Postman, Visual Studio., Figma, Git
Other Skills: Data Structures, Algorithms, OOP , RESTful APIs

Soft Skills:

Communication, Teamwork, Problem Solving, Adaptability, Time Management, Leadership, Work Ethic, Attention to Detail

PROJECTS

Smart Farm Management System - MERN Stack   **August 2025 - November 2025**
Live | GitHub

- Developed a **Full-Stack web application** to streamline farm operations, featuring a centralized dashboard for resource tracking.
- Integrated **Google OAuth 2.0** for secure, streamlined user authentication and role-based access control.
- Implemented a **Payment Gateway** using **Stripe API** to handle secure digital transactions for farm supplies and services.
- Managed cloud-based media storage by integrating **Cloudinary** for efficient image uploading and retrieval of crop health reports.
- Collaborated with a team using **Git** for version control, ensuring seamless integration of features through code reviews and modular development.

Online Food Ordering System - JAVA(OOP)   **March 2025 - June 2025**
Live | GitHub

- Developed a **Full-Stack Enterprise application** utilizing **MVC Architecture** to simulate real-world restaurant operations and order management.
- Engineered a **Session-based Cart System** integrated with user profiles, enabling persistent quantity management and data integrity.
- Implemented a **Role-Based Access Control** module for secure employee and admin management, ensuring sensitive data protection.
- Built an automated **Invoice Generation System** with integrated payment processing, allowing users to download transaction receipts.
- Developed a **Real-time Order Tracking** module with a dedicated administrative dashboard for status updates and customer feedback management.
- Leveraged **MySQL** for relational database management and **Tailwind CSS** for a responsive, modern user interface.

Online Movie Booking System   September 2024 - November 2024
Live | GitHub

- Developed a **Full-Stack reservation platform** with a **PHP-based backend** featuring a dynamic seat selection engine and a real-time locking mechanism.
- Engineered an **automated digital ticketing system** that generates and dispatches unique **QR codes** via email upon successful transaction.
- Integrated a **Secure Payment Gateway** supporting multiple payment methods, ensuring encrypted data handling for user transactions.
- Designed a **comprehensive Admin Dashboard** featuring real-time analytics and management tools for movies, schedules, and role-based user accounts.
- Implemented a **Relational Database (MySQL)** to manage complex data structures for bookings, cinema layouts, and customer reviews.
- Built an interactive **user engagement module** allowing for movie ratings and reviews, enhancing the platform's social features.

LEADERSHIP & VOLUNTEERING

CERTIFICATIONS

Python for Beginners
University of Moratuwa

Postman API Fundamentals
Postman

REFERENCES

Mr. Amila Senarathne
Head - Industry Engagement Unit
Senior Lecturer - Department of Computer Systems Engineering
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