

# WATHSIKA PALLIMULLA

Software Engineering Undergraduate

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## PROFESSIONAL SUMMARY

Dedicated Software Engineering undergraduate at SLIIT with expertise in full-stack development and a passion for building scalable, user-centric web applications. Experienced in MERN stack development, DevOps automation, and AI integration. Seeking internship opportunities to apply technical expertise in architecting intelligent, scalable solutions with focus on high-performance cloud infrastructure.

## EDUCATION

### Bachelor of Science (Hons) in Information Technology

Specializing in Software Engineering

Sri Lanka Institute of Information Technology (SLIIT)

2022 - Present

**Current GPA: 3.33**

### G.C.E. Advanced Level - Physical Science Stream

Passed with Physics, Combined Mathematics, and Chemistry

## TECHNICAL SKILLS

**Frontend Development:** React, JavaScript, Tailwind CSS, HTML5, CSS3

**Backend Development:** Node.js, Java, Python, C/C++

**Database Management:** SQL, MongoDB, PostgreSQL

**DevOps & Tools:** Git, Docker, GitHub Actions, Postman, AI Tools

## PROJECTS

### MERN Stack E-Commerce Platform

Technologies: MongoDB, Express, React, Node.js

- Developed a complete e-commerce platform with full-stack capabilities
- Implemented user authentication and authorization system with secure login
- Created product management system with cart functionality and payment gateway integration
- Designed and implemented RESTful APIs for seamless frontend-backend communication

### **AI Reminder Bot – Containerized Discord Assistant**

*Technologies:* Python, Discord API, Docker, GitHub Actions, PostgreSQL, Gemini AI

- Designed containerized multi-service architecture using Docker and Docker Compose
- Built automated CI/CD pipeline with GitHub Actions for continuous deployment
- Integrated AI-powered natural language processing for task management and reminders
- Implemented persistent storage with PostgreSQL and automated scheduling system

### **Online Food Ordering System**

*Technologies:* Java, JSP, Servlets, MySQL

- Built Java Servlet-based application simulating restaurant operations
- Developed menu browsing system with dynamic content loading
- Implemented order placement and invoice generation functionality with MySQL database integration

### **Movie Booking System**

*Technologies:* PHP, JavaScript, MySQL, HTML/CSS

- Designed comprehensive cinema reservation platform with user-friendly interface
- Implemented dynamic seat selection system with real-time availability updates
- Created admin dashboard for management operations and booking history tracking

## **CERTIFICATIONS**

- Postman API Fundamentals - Postman Student Expert (Verified Credential)
- Python for Beginners - University of Moratuwa (Verified Credential)

## **CAREER OBJECTIVES**

Aspiring to become a Full-Stack Architect with expertise in AI-integrated web solutions and high-performance cloud infrastructure. Deeply interested in MERN Stack development, DevOps automation, and exploring the potential of Large Language Models (LLMs) in software workflows.