

NISAL GUNAWARDHANA

Full-Stack Developer | PHP (Laravel) | MERN Stack | Flutter Mobile App Developer

Malabe SriLanka • +94 77 6234 058 • sansgunawardhana@gmail.com

[Portfolio](#)

[LinkedIn](#)

[GitHub](#)

SUMMARY

Software Engineering Undergraduate with expertise in full-stack web and mobile development, specializing in PHP (Laravel), MERN Stack, Java, Kotlin, Flutter, and Spring Boot. Developed and deployed 20+ applications, improving performance by 25% and enhancing security via JWT authentication. Proficient in RESTful APIs, MySQL, MongoDB, and Azure Cloud, with experience in building scalable, high-performance solutions. Applied AI and machine learning to optimize data retrieval by 30% and automate workflows, boosting efficiency by 20%.

WORK EXPERIENCE

Intern Software Engineer- Virtual System

Aug 2024 - Jan 2025

- Developed and maintained web and mobile applications using Laravel and Flutter, contributing to both backend and frontend development and addressing 5 critical bugs identified by senior developers.

TECHNICAL & SOFT SKILLS

Programming Languages:

- | | | |
|--------------|--------|----------|
| • C | • Java | • CSS |
| • C++ | • PHP | • Dart |
| • JavaScript | • HTML | • Kotlin |

Frameworks & Technologies:

- | | | |
|---------------|--------------|-----------|
| • Spring Boot | • Flutter | • Laravel |
| • React | • Express.js | • .Net |

Databases:

- | | | |
|---------|-----------|----------|
| • MySQL | • MongoDB | • Sqlite |
|---------|-----------|----------|

Tools & Version Control:

- | | | |
|--------------|--------------|---------|
| • Git/Github | • Postman | • Figma |
| • Docker | • Kubernetes | • CI/CD |

Soft Skills:

- | | | |
|--------------------------------|---------------------|----------------------|
| • Team Collaboration | • Tech Speaker | • Software Testing |
| • Task Prioritization | • Decision-Making | • Project Management |
| • Leadership & Team Management | • Agile Development | • Event Organizer |

EDUCATION

SLIIT (Sri Lanka Institute of Information Technology)

Oct 2022 - Oct 2026

University of Engineering and Technology

- BSc (Hons) in Information Technology, Specialization in Software Engineering (Current GPA 3.4)

Anuradhapura Central Collage

Aug 2016 - Aug 2022

- Advanced Level (Physical Science): SSS for Chemistry, Mathematics, Physics
- Ordinary Level (English Medium): A6, B1,C2 (ICT, Music, Tamil)

CERTIFICATES

- **GitHub Foundation:** Participated in the GitHub Foundation program, gaining deep insights into open-source contributions, version control practices, and collaborative software development using GitHub.
 - **Meta Introduction to Mobile App Development:** Completed Meta's Introduction to Mobile App Development course, acquiring foundational knowledge in mobile development
 - **IBM Developing Back-End Apps with Node.js and Express:** Successfully developed back-end applications using Node.js and Express, building scalable and secure APIs while mastering server-side development practices.
 - **Docker Foundations Professional Certificate**
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ACTIVITIES & HONORS

- **Chairperson - API & GenAI Tour Sri Lanka 2025** **Feb 2025 - Mar 2025**
Led 5+ national tech events, impacting 1,000+ developers, with an 80% engagement rate, collaborating with Postman and Pieces for Developers to conduct hands-on AI & API workshops.
 - **Microsoft Learn Student Ambassador** **Apr 2024 - Present**
Conducted 15+ workshops on cloud computing, AI, and career development for 500+ students. Mentored 10+ student groups, fostering technical skills and community growth.
 - **Postman Student Leader** **Jan 2024 - Present**
Educated over 250 students in API literacy through 5+ workshops and contributions to open-source projects.
 - **Github campus expert** **Dec 2024 - Present**
Launched a campus-wide Git/GitHub training program adopted by 5+ student clubs.
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PROJECTS

Hospital Management System | Group Project **Jun 2024 - Dec 2024**

- Built a comprehensive hospital management platform with patient appointment booking, medical history tracking, report access, and online payments.
- Integrated patient management and CRM improving hospital efficiency by 20%.
- Technologies: PHP (Laravel), JavaScript, Bootstrap, MySQL

Public Email API Service V1.0.0 | Individual Project **Feb 2025 - Mar 2025**

- Engineered a Spring Boot application featuring multi-threading and SMTP pooling to facilitate bulk email transmission, achieving a delivery rate of 50,000 emails per hour with a 99.9% deliverability rate.
- Technologies: Java, Spring Boot, Maven, MongoDB

security-checker-agent | opensource Project **Jul 2025 - present**

- Security Checker Agent is a comprehensive VS Code extension that automatically analyzes your code for security vulnerabilities based on the OWASP Top 10 security risks. It provides real-time security analysis, actionable suggestions, and integrates seamlessly with GitHub Copilot.

AI Assistant Development With gpt4o | Individual Project **Jan 2025 - Feb 2025**

- Built an AI assistant with GPT-4, Node.js, and React Integrated via GitHub Models and Azure AI Studio for model handling.

Sales Optimizer Web Application (Laravel) | Group Project **Nov 2024 - Dev 2024**

- This is a Laravel-based web application designed to enhance sales performance through data analysis and optimization. It integrates with various APIs to gather sales data, provides analytics, and offers email marketing features.

Food Delivery System (Spring Boot & React + Vite) | Group Project **Feb 2025 - Apr 2025**

- Developed the restaurant-side interface for a microservices-based food delivery system using Spring Boot for the backend and React with Vite for the frontend. Integrated GPT-4.0 for SEO-friendly paragraph and topic generation, and implemented real-time location tracking using Google Maps APIs for efficient order and delivery visibility.
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REFERENCES

Professional references are available upon request