

Vindya Kodithuwakku

Software Engineering Intern

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🌐 linkedin.com/in/vindya-kodithuwakku — 🐙 github.com/vindyakodithuwakku02 — 🌐 Portfolio

Profile Summary

Passionate 3rd-year Computing undergraduate specializing in full-stack development with expertise in React, Node.js, Next.js, and cloud technologies. Proven track record designing and deploying scalable web applications, integrating AI APIs, and collaborating on real-world projects. Google AI Essentials certified with hands-on experience in modern development workflows, Agile methodologies, and problem-solving. Eager to contribute technical skills and innovative solutions to dynamic software engineering teams.

Education

Sabaragamuwa University of Sri Lanka 2023 – Present
BSc Honours in Computing & Information Systems — Current GPA: 3.77/4.00

Sanghamitta Balika Vidyalyaya – Galle 2013 – 2021
G.C.E. A/L (Physical Science) — Combined Maths (B), Chemistry (B), Physics (C) — O/L — 9A

Technical Skills

Frontend: HTML5, CSS3, JavaScript (ES6+), React.js, Next.js, Bootstrap, Tailwind CSS, Responsive Design
Backend: Node.js, Express.js, PHP, Java, Python, REST APIs, JWT Authentication, Gemini API
Database & Cloud: MySQL, MongoDB, PostgreSQL, Firebase, AWS (EC2, S3, RDS)
Tools & DevOps: Git & GitHub, VS Code, Postman, Jira, Figma, CI/CD, Agile Methodologies
Soft Skills: Communication, Team Collaboration, Problem Solving, Critical Thinking, Leadership

Projects

Smart Mobile Ticketing Platform – Domino’s Sri Lanka Sep 2025 – Present
Flutter, Node.js, Express.js, PostgreSQL, AWS

- Engineered mobile ticketing platform digitizing maintenance reporting across 30+ outlets
- Designed RESTful APIs; deployed on AWS (EC2, RDS) ensuring 99.9% uptime with Agile sprints
- Reduced ticket resolution time by 40% through real-time notifications
- 🐙 GitHub

NovaScript – AI-Driven Research Management System Jan 2025 – Apr 2025
React.js, Node.js, Express.js, MongoDB, Gemini API

- Developed AI-powered platform automating proposal generation and project tracking for 100+ researchers
- Integrated Gemini API for content generation; achieved 60% reduction in proposal drafting time
- 🐙 GitHub


Multi-Vendor E-Commerce Platform 2024
Next.js, Tailwind CSS, Redux Toolkit

- Architected marketplace with vendor storefronts, admin dashboards, and customer interfaces
- Leveraged Next.js 14 SSR for SEO; Redux Toolkit for state management
- 🐙 GitHub

E-Satahan — Academic Notes Sharing Platform 2024
PHP 8, MySQL, Bootstrap 5, jQuery/AJAX

- Peer-to-peer platform enabling 500+ students to share study materials; 1000+ uploads in first semester
- 🐙 GitHub — 🌐 esatahan.infinityfree.me

React.js, Node.js, Express.js, MongoDB

- Built full-stack POS with order management, table reservations, inventory tracking, and sales analytics
-  GitHub

Professional Certifications

Google AI Essentials — Google/Coursera (2024) — Certificate

Python Programming — University of Moratuwa (2025) — Certificate

Front-End Web Development — University of Moratuwa (2025) — Certificate

IT Essentials — Cisco Networking Academy (2025) — Certificate

Generative AI for Beginners — Simplilearn (2025) — Certificate

Data Science Foundations — Great Learning Academy (2024) — Certificate

Python for Beginners — University of Moratuwa (2024) — Certificate

Web Design for Beginners — University of Moratuwa (2024) — Certificate

Achievements

SmartMedix – Brainstorm 2025 (Semi-Finalist) — IEEE EMBS, University of Moratuwa

Healthcare workflow optimization using AI — Top 20 national projects

Sensora – SLIoT Challenge 2025 (Semi-Finalist) — University of Moratuwa

IoT environmental monitoring system — Led team to national semi-finals

Volunteering & Leadership

- **Event Host** – IEEE Student Branch SUSL (2024-2025): 100+ participant tech events
- **Knowledge Team** – IEEE SB SUSL (2024): Peer-learning initiatives and technical content creation
- **Finance Team** – IEEE Day SUSL (2024): Event budgeting and sponsorship tracking
- **Content Team** – STEMUp AI Initiative (2024): Educational AI literacy content
- **Logistics** – GeekZone v1.0 (2024): Technical setup for hackathon

References

Prof. B.T.G.S. Kumara

Professor, Head of the Department

Department of Software Engineering

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