

# Vindya Kodithuwakku

Software Engineering Intern — Full-Stack Developer

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🌐 [linkedin.com/in/vindya-kodithuwakku](https://www.linkedin.com/in/vindya-kodithuwakku) — 🐙 [github.com/vindyakodithuwakku02](https://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](https://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

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**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

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**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

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- **Event Host** – IEEE Student Branch SUSL (2024-2025): 100+ participant tech events
- **Knowledge Team** – IEEE SB SUSL (2024): Peer-learning 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

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### **Prof. B.T.G.S. Kumara**

Professor, Head of the Department

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### **Mrs. Hiruni Senevirathne**

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