

Vinuki Thiranya

Software Engineer – Computer Science Undergraduate

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Summary

Computer Science undergraduate with full-stack development experience building AI applications and e-commerce platforms. Proficient in end-to-end development from backend APIs to responsive frontends. Collaborative team player adept in agile environments with strong ability to quickly learn new technologies.

Technical Skills

Languages: Python, Java, SQL, HTML5, CSS3, Javascript, PHP

Frameworks and Libraries: React, Spring Boot, Tailwind CSS, .NET

Tools and Technologies: Version Control (Git), Docker, AWS, PostgreSQL, Figma, Postman, RESTful API Design

Methodologies: Agile Methodologies (Scrum), Cross-functional Collaboration

Education

Sri Lanka Institute of Information Technology

Bachelor of Science in Computer Science

Malabe, Sri Lanka

May 2023 – April 2027

Projects

MockMate - AI Interview Platform | Full Stack Developer

June 2025 – Present

- Developed a full-stack AI platform generating customized interview questions with Google Gemini AI.
- Built and optimized RESTful APIs with Firebase integration and comprehensive error handling.
- Implemented voice-optimized question parsing for seamless text-to-speech functionality.

Auto Service Dambulla - Auth System | Full Stack Developer

March 2025 – June 2025

- Developed JWT authentication system with role-based authorization and user management.
- Enhanced performance, boosting page load speed by 35% through React optimization & code splitting.
- Collaborated in an agile team using Scrum, Git, Jira for feature development and code quality assurance.

Distributed Logging System | Backend Developer

April 2025 – May 2025

- Maintained 99.9% uptime across 5+ distributed nodes with a fault-tolerant design.
- Reduced clock synchronization errors by 95% through NTP optimization and drift correction.
- Developed fault-tolerant distributed system with consensus algorithms for reliable data replication.

Dogwood Flora - E-commerce | Full Stack Developer

June 2024 – Nov 2024

- Built full-stack web application with customer and admin modules for a floral shop.
- Automated 80% of manual tasks via admin dashboard and inventory management.
- Implemented product CRUD, inventory tracking, and order processing.

Certifications and Achievements

Foundational C# with Microsoft

freeCodeCamp – ID: vn_-fcswm

Aviatrix Certified Engineer (ACE) - Multicloud Network Associate

Aviatrix, Inc. – ACE ID: 2025-28178

Web Development - 1. Web Design for Beginners

CODL-UOM ID: 7cA831uYML

Web Development - 2. Front-End Web Development

CODL-UOM ID: 1TCGBvh4nd

Postman API Fundamentals Student Expert

Canvas Credentials (Badgr)

Programming in Python - 1. Python for Beginners

CODL-UOM ID: RfFZUXwGMU

Programming in Python - 2. Python Programming

CODL-UOM ID: hitik80C6R