

P. V. YASITH THARUKA

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SUMMARY

Second-year Computer Science undergraduate with experience in full-stack development, backend engineering, and early-stage research. Actively involved in IEEE and ICPC communities. Seeking internship opportunities in software engineering and Artificial Intelligence.

EDUCATION

- **SLIIT City Uni (Partnered with University of Bedfordshire, UK)** Colombo, Sri Lanka
BSc (Hons) Computer Science Pathway — HD in IT Year 2 Sem 1 *Expected 2028*
 - GPA : 3.27
- **SLIIT City Uni** Colombo, Sri Lanka
Foundation Certificate in Information Technology (FCIT) *Jul 2024 – Jul 2025*
 - GPA : 3.21
- **OTHM Qualifications (via ICBT Campus)** Colombo, Sri Lanka
International Diploma in Spoken English (Level 3) *Oct 2024 – Apr 2025*
- **Thelijjawila Central College** Matara, Sri Lanka
Secondary Education *2018 – 2024*
 - **GCE Ordinary Level (2023/24):** 3 A's, 3 B's, 3 C's (including 'A' for Mathematics and 'B' for English).

RESEARCH & PROJECTS

- **GreenLoop - Order & Delivery Management System** Apr 2026 – Jun 2026
SLIIT City UNI - Group Project
 - **Order Processing Module:** Developed the workflow for creating customer orders, assigning products, validating quantities, and calculating order totals within the Java Swing interface.
 - **Delivery Assignment Module:** Implemented the logic for assigning delivery agents to orders, updating delivery status, and tracking lifecycle changes through the DeliveryService layer.
 - **Business Logic:** Wrote core service-layer functions for order creation, product mapping, and delivery scheduling.
 - **Tech Stack:** Java, Java Swing, MongoDB.
- **Parenteral Direct - Specialty Medication E-Commerce Platform** Feb 2026 – Jul 2026
SLIIT City UNI - Group Project
 - **Backend Development:** Implemented core PHP backend modules including routing handlers, controller logic, and secure environment-based configuration for database and SMTP credentials.
 - **Database Work:** Designed and structured MySQL tables for users, inventory items, cart sessions, and order records, ensuring relational consistency.
 - **Frontend Integration:** Developed key UI components using HTML5, CSS3, and JavaScript, and integrated them with backend controllers for smooth user interactions.
 - **Email Automation:** Configured and implemented SMTP-based transactional email flows for registration confirmations and order updates.
 - **Tech Stack:** PHP, MySQL, HTML/CSS, JavaScript, SMTP.
- **CivicPulse - Public Issue Tracking Platform** 2025
CS50 Final Project
 - **Platform:** Developed a web application for reporting and tracking public issues, including a basic SQL database for storing incident records.
 - **Tech Stack:** Python, SQL, Flask, JavaScript, HTML/CSS.
- **Parkinson's Disease Detection Research** 2026 – Present
Ongoing Research *Colombo, Sri Lanka*
 - **Core Project:** Evaluating machine learning classifiers for early-stage Parkinson's detection using acoustic voice features.
 - **Tech Stack:** Python, Scikit-learn, Audio Signal Processing.
- **ESL Speaking Confidence Research** 2025
Published Research *SLIIT RDA*
 - **Publication:** Investigated the role of self-talk practice in improving speaking confidence among ESL learners.

EXPERIENCE & LEADERSHIP

- **IEEE Washington DC Section** Remote (USA)
Marketing and Design Volunteer - IEEE Cloud Summit 2026 May 2026 – Present
 - **Design Marketing:** Supported conference organizers with digital content creation.
- **IEEE Sri Lanka Section** Sri Lanka
Program Coordinator - Challenge Sphere 2026 Mar 2026 – Present
 - **Management:** Coordinating and oversee communication challenge.
- **IEEE Student Branch of SLIIT** Colombo, Sri Lanka
Public Visibility Committee (2026) & Event Volunteer (2025) Oct 2025 – Present
 - **2026 Committee:** Managing public relations, content strategy, and digital visibility for the branch's current term.
 - **Secretariat Team:** Managed administrative workflows, documentation, and organizational tasks for SLIITXtreme 4.0.
 - **Publicity Team:** Executed promotional campaigns and public relations for LeadSpring 2025, LaunchPad '25, and RevUp 1.0.
- **ICPC 2026 Sri Lanka Regionals** International Collegiate Programming Contest
Student Branch Ambassador Nov 2025 – Jan 2026
 - **Outreach:** Supporting SLIIT City Uni by promoting competitive programming and coordinating teams.
- **Election Commission of Sri Lanka** Sri Lanka
Assistant to Presiding Officer 2024 – 2025
 - **Operations:** Assisted in the secure handling of official documentation for national elections.
- **SLIIT City Uni Photographic Club** Colombo, Sri Lanka
Committee Member 2024 – 2025

CERTIFICATIONS

- **Computer Science:** Harvard CS50x – Introduction to Computer Science (Harvard University).
- **Cloud & Dev:** Google Cloud Arcade 2025 - Novice Level, Gemini Certified University Student, GitHub for Beginners, GitHub Actions 101.
- **Software Engineering:** Java Programming (Duke University), Python for Beginners (University of Moratuwa), Web Design for Beginners (University of Moratuwa).
- **Data & APIs:** Neo4j Certified Professional, Postman API Fundamentals Student Expert.
- **Professional Membership:** Student Member – Computer Society of Sri Lanka (CSSL), Student Member - Institute of Electrical and Electronics Engineers (IEEE).
- **Machine Learning:** Supervised Machine Learning: Regression and Classification (DeepLearning.AI and Stanford Online)

TECHNICAL SKILLS

- **Languages:** Python, Java, C++, C#, SQL, HTML/CSS, JavaScript, PHP
- **Tools:** Git/GitHub, Docker, Postman, IntelliJ IDEA, VS Code, Antigravity
- **Frameworks:** Flask, Node.js/Express (basic), Java Swing
- **Databases:** MySQL, MongoDB
- **Other:** Database Design, Software Engineering Concepts, Research