



SANDALI SANDAGOMI

CONTACT

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SKILLS

- Strategic Thinking
- Teamwork & Leadership
- Problem-Solving & Decision-Making
- Effective Communication & Presentation Skill

LANGUAGES

- English (Fluent)
- Sinhala (Native)



PROFILE

I am a proactive and ambitious second-year Computer Science undergraduate. Alongside my academic journey, being part of team-based projects and pursuing CIMA has helped me grow in areas such as problem-solving, communication, and project coordination. As a committee member, I'm committed to taking responsibility, supporting others, and making meaningful contributions by applying the skills and experience I've gained.



EDUCATION

- BSc (Hons) in Computer Science** November 2023--Present
Sri Lanka Institute of Information Technology
 - CGPA: 3.95 (Year 1 Semester 1: GPA 4.0 | Year 1 Semester 2: GPA 3.81)
- Chartered Institute of Management Accountants UK (CIMA)** June 2023-Present
 - Diploma in Management Accounting
 - Certificate in Business Accounting
- Musaeus College, Colombo 7** 2008-2022
Secondary Education
 - GCE A/L Examination : 1B 2S Passes in Physical Science Stream
 - GCE O/L Examination: 9 A Passes
- MERN Stack Development** February 2025-Present
University of Colombo School of Computing



PROJECTS

- Kinetic Kicks: Power-Generating Shoe for Sustainable Charging** 2024-Present
An Award Winning R&D project aimed at developing a shoe that generates electricity from human motion which is used to charge mobile devices. The project involves designing a detachable sole embedded with sensors that convert mechanical energy into electrical energy, a portable powerbank used to charge the devices and an integrated mobile app developed using React Native, which displays the battery level and step count via Bluetooth communication

FungiFlow: Smart Resource Management for Mushroom Cultivation

2025-Present

An ongoing web-based resource management system built with Spring Boot and React.js to streamline the resource, lab, and sales management processes in mushroom production at Mushroom Training and Development center, Rathmalane. It features real-time analytics and downloadable reports for weekly, monthly, and yearly tracking, data-driven dashboards and forecast inventory needs across multiple distribution centers.

Tech Stack: Spring Boot | React.js | MySQL | Chart.js | Figma



ACHIEVEMENTS

Dean's List : Year 1 Semester 1 (GPA: 4.0)

Dean's List : Year 1 Semester 2 (GPA: 3.81)

First Runners up at SDG Youth Challenge: Project Competition

Organized by University of Kelaniya

5th Place at Start Up Spark: Techno 2024

Organized by the IESL student chapter University of Moratuwa

Finalist at SliitXtreme (15 place)

Organized by IEEE Computer Society SLIIT

Finalist at SSD 2025: SDG Project Competition

Organized by Auckland Internation Campus

Quater Finalist at Idealize 2024

Organized by AIESEC of University of Moratuwa

Finalist at Algothan :CODEFEST 2024 (13th place)

Organized by the Faculty of Computing SLIIT



PUBLICATIONS

Advancing Agriculture: A Review of UAVTechnologies and Their Impact onSustainable Farming

Presented at 2025 International Research Conference on Smart Computing and Systems Engineering(SCSE), a comprehensive review of drone-based (UAV)technologies in agriculture, analyzing their contribution to precision farming, crop monitoring,and sustainable agricultural practices

EXTRA CURRICULAR ACTIVITIES

Committee member of SLIIT Computer Science Student Society 2025-2026