

SHENAL GARDIWASAM

UNDERGRADUATE, BSC COMPUTER SCIENCE (CYBERSECURITY),
SWINBURNE UNIVERSITY OF TECHNOLOGY, MALAYSIA

CONTACT DETAILS

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TECHNICAL SKILLS

- Python, Java, C++, JavaScript, PHP, SQL
- React.js, FastAPI, HTML/CSS
- AWS (EC2, S3, RDS, VPC)
- PyTorch, YOLO, OpenCV, KNIME
- MySQL, MongoDB Atlas
- GitHub, MQTT, CVAT, JADE
- Networking & Cybersecurity

SOFT SKILLS

- Analytical Thinking
- Problem Solving
- Teamwork & Collaboration
- Communication
- Project Planning
- Adaptability

LANGUAGES

English
(Speaking, Reading, Writing)
Sinhala
(Speaking, Reading, Writing)
Tamil
(Reading, Writing)

PROFILE

Motivated and detail-oriented undergraduate at Swinburne University of Technology, Malaysia, currently pursuing a Bachelor of Computer Science with a major in Cybersecurity. Actively seeking an internship to apply my technical skills in programming, cloud computing, networking and cybersecurity within a real-world environment. Known for strong leadership, planning and teamwork abilities developed through academic projects and extracurricular involvement. I thrive in collaborative settings and bring a proactive mindset to problem-solving, aiming to contribute meaningful value to any organization I join.

EDUCATION

2025 - 2027
Swinburne University of Technology, Malaysia

Bachelor of Computer Science, major in Cybersecurity (Undergraduate) | CGPA: 3.61
Developing expertise in cybersecurity, software development, artificial intelligence, cloud computing, data science and networking through academic coursework, industry collaborations, and hands-on technical projects.

2024 - 2025
Nawaloka College of Higher Studies, Sri Lanka, affiliated with Swinburne, Australia

Diploma of IT (Uni-Link) | CGPA: 3.875
Successfully completed the first year of the Swinburne University program in Sri Lanka, achieving the 2nd rank in the batch through consistent academic performance and active engagement in coursework.

2023
Royal College, Colombo 07, Sri Lanka

G. C. E. A/L in Physical Science Stream
Successfully completed the GCE Advanced Level in the Physical Science stream, specializing in Combined Mathematics, Physics and Chemistry.

2020
Dharmaraja College, Kandy, Sri Lanka

G. C. E. O/L
Successfully completed the GCE Ordinary Level examination with distinctions in all subjects.

2020/2021
IMBS Green Campus, Sri Lanka

Diploma of English
Successfully completed at IMBS Green Campus, Sri Lanka, with a 3.4 GPA. Program assured by the University of Cambridge (UK), focusing on academic and professional English proficiency.

2017
Esoft Metro Campus, Sri Lanka

Diploma of IT with E-Commerce
Completed at Esoft Metro Campus, Sri Lanka. Program assured by Pearson, covering foundational IT concepts and e-commerce applications.

LICENSE AND CERTIFICATIONS

Issued by Amazon Web Services (AWS)

- AWS Academy Graduate - AWS Cloud Architecting
- AWS Academy Graduate - AWS Cloud Foundations

PROJECTS

- **AI-Driven Spatial-Temporal Framework for Occlusion-Robust Sport Pose Estimation | 2026 (Ongoing)**

Developed an AI-based sports pose estimation system; contributed to annotation, calibration, 3D reconstruction, and web platform development.

Tech: Python, PyTorch, YOLO11m, OpenCV, FastAPI, React, MongoDB
Unit: COS40005 - Computing Technology Project A
Industry Partner: NEUON AI

- **Lab Biosafety Monitoring System | 2026**

Designed and developed an IoT-based biosafety monitoring solution featuring real-time sensor monitoring, automated alerts, secure command authentication, and web-based visualization.

Tech: Python, MQTT, Flask, Socket.IO, IoT, Cybersecurity
Unit: TNE20003 - Internet and Cybersecurity for Engineering Applications

- **Customer Behavior Analysis & Predictive Modeling | 2026**

Performed data preprocessing, visualization, clustering, classification, and predictive analytics while evaluating machine learning models using industry-standard performance metrics.

Tech: KNIME, Logistic Regression, Random Forest, Naïve Bayes, K-Means, Gradient
Unit: COS10022 - Data Science Principles

- **SmartPlant Sarawak - AI & IoT Plant Monitoring System | 2025**

Developed a smart monitoring solution for tracking plant health and environmental conditions using IoT sensors and AI-driven analytics for conservation purposes.

Tech: IoT, AI, Sensor Monitoring, Data Analytics
Unit: COS30049 - Computer Technology Innovation Project
Industry Partner: NEUON AI (Collab with Sarawak Forest Corporation)

- **Dessert Shop Billing System - SQA & CI/CD Pipeline | 2025**

Developed a web-based billing system integrated with automated Selenium testing, GitHub Actions CI/CD pipelines, and quality assurance practices.

Tech: Python, Selenium, GitHub Actions, CI/CD
Unit: SWE30009 - Software Testing & Reliability

- **Automated Negotiation System | 2025**

Built a multi-agent negotiation platform enabling automated and manual negotiations, focusing on agent communication, decision-making, and intelligent interactions.

Tech: Java, JADE, Multi-Agent Systems.
Unit: COS30018 - Intelligent Systems

- **Wildlife Species Image Classification | 2025**

Developed and evaluated a machine learning image classification model capable of identifying wildlife species from image datasets with improved prediction accuracy.

Tech: Python, Machine Learning, Image Classification
Unit: COS30019 - Introduction to Artificial Intelligence

- **Cloud-Based Photo Album Management System | 2024**

Designed and deployed a secure cloud-based photo album application with AWS infrastructure, integrating scalable storage, database management, and network security.

Tech: AWS EC2, VPC, Amazon RDS, Amazon S3, PHP, MySQL.
Unit: COS10034 - Cloud Computing

- **Coffee Shop Website | 2024**

Developed a full-stack coffee shop ordering and management platform with online ordering capabilities, database integration, and server deployment.

Tech: HTML, CSS, PHP, MySQL
Unit: COS10032 - Computing Systems Project

- **Resort Reservation System | 2024**

Built a reservation management system featuring user authentication, booking functionality, and data management using object-oriented programming principles.

Tech: Java, OOP, Database Management
Unit: COS10033 - Advanced Programming

- **Emergency Communication System for Indigenous Communities | 2024**

Designed a web-based emergency alert platform for remote communities, focusing on accessibility, communication reliability, and database-driven information management.

Tech: HTML, CSS, PHP, MySQL
Unit: COS10030 - Digital Technology in an Indigenous Context