

T.G.V.L.D. SANDARUWAN

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📍 No.127, Hulandawa Left, Monaragala (Permanent)

📍 Nungamugoda Road, Kelaniya (Temporary)



CAREER OBJECTIVE

Experienced IT professional with expertise in software development, cybersecurity, and network security. Skilled in AI, Python, and automation with PowerApps. Proficient in threat analysis and system protection. Seeking a dynamic role to contribute technical skills and grow with emerging industry trends

PROFESSIONAL EXPERIENCE

- **Printcare PLC | Junior Executive Network & System Analyst** **May 2024 - Present**
 - Started as an Intern and was promoted to Junior Executive in Network and System Analysis.
 - Developed an AI Die Line Image Design Generation System using Flux and LoRa models.
 - Built an AI-based Employee Tracking System for monitoring movement through CCTV analytics.
 - Analyzed and managed Cisco Meraki Cloud Dashboard for network monitoring and optimization.
 - Analyzed FortiGate Firewall, ensuring robust network security.
 - Identified and resolved network issues, improving infrastructure stability.
 - Monitored and managed system-wide cybersecurity using ESET Virus Guard.
 - Automated internal business processes using PowerApps and Power Automate.
 - Provided HRIS system support, including attendance, payroll, and HRIS account management.
 - Gained hands-on experience in network diagnostics and infrastructure management.

EDUCATIONAL QUALIFICATION

- **BSC (Hons) in Industrial Information Technology** **Sep 2020 - Oct 2024**

Uva Wellassa University Of Srilanka
GPA - 3.30
- **Advanced Level (Commerce Stream)** **2018**

Mo/Rajakeeya National school, Monaragala
Business studies - A , Economics - B , Accounting - A
- **Ordinary Level** **2015**

Mo/Rajakeeya National school, Monaragala
A Passes - 6, B Passes - 3, C Passes - 1

PROFESSIONAL QUALIFICATION

- **Partly Qualified (Level 1 and 2) in AAT | The Association of Accounting Technicians Sri Lanka.**
- **Coursera**
 - Frontend Development using React
 - Agile Software Development
 - Programming in Python
 - Database Structures and Management with MySQL
 - Object Oriented Programming in Java
- **TryHackMe**
 - SQL Injection
 - OWASP Top 10
 - DNS in Details
 - SQLMAP
 - Nmap
- **Others**
 - Introduction to Cybersecurity | Cisco

PROJECT EXPERIENCES

- AI Die Line Design Image Generation

2025

Developed a locally hosted AI-powered web application for designing cutter diagrams. Utilized the Flux Model as the core image generation engine, enhanced with custom-trained LoRAs for high-quality 2D image and die-line generation. Integrated InvokeAI to efficiently connect the Flux Model and LoRAs, ensuring precise and seamless image processing. Designed and implemented a custom frontend interface that communicates with the InvokeAI backend via API for a smooth user experience.

Technologies – Flux Model, FluxGym trained LoRa, InvokeAI, Python, ReacJs
- Tracking Employee moment in CCTV with AI

2025

Developed a system to access CCTV cameras via their IP addresses and identify marked workstations within the premises. Implemented the YOLO (You Only Look Once) model to track employee movements across multiple camera angles, enabling precise monitoring of workstation usage. The system automatically recorded and logged the time employees spent at specific workstations into a centralized database.

Technologies – Yolo Model , Python, SQL
- Notification Alerting System for the Internal WorkFlow

2024

Developed a Notification Alerting System designed to send real-time notifications to end-users through an internal workflow utilized by employees across a group of companies. The frontend was built using Microsoft PowerApps, and SharePoint was used as the centralized database for storing and managing data. Automated workflows were implemented using Power Automate.

Technologies – PowerApps, PowerAutomate, SharePoint
- Harness digital solutions for the advancement of maternal and postnatal wellness in Sri Lanka | Final Year Research

2024

Developed a predictive model to assess the risk levels of maternal health using a secondary dataset sourced from Kaggle. Designed and implemented an Android mobile application to integrate this model, along with additional health information collected through surveys. The system provides maternal and postnatal women with personalized health insights, offering valuable information about their own health as well as their baby's well-being.

Technologies - Python, React, Google Colab, Flutter, FireBase

TECHNICAL SKILLS

- AI and Machine Learning Models

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Flux Model | LoRa | YOLO Model
- Networking And Security

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Cisco Meraki | FortiGate Firewall
Network Infrastructure | ESET Virus Guard Portal
Cybersecurity Essentials(TryHackMe)
- Automation and WorkFlow Tools

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PowerApps | Power Automate | SharePoint
- Programming And Scripting

:

Java (Basic) | Python | C (Basic) | JavaScript |
PHP
- Database Management

:

MySQL | MsSQL | MongoDB
- Web And Application Development

:

React | ExpressJS | HTML | CSS | Laravel

NON RELATED REFREES

C. Ayantha Warnakulasuriya, Chief Information Officer, Global Rubber Industries Pvt Ltd, 28 Joseph's Ln, Colombo 00400. Tel : 077 213 2172	Eng. M.T.G.A.N. Lakmal - Provincial Director Mechanical, Provincial Department of Mechanical, Uva Provincial Council, Kahagolla, Bandarawela. mtganlakmal@engineer.com Tel : 077 697 2420
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