Nipuna Gamage

Cybersecurity Analyst Intern

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github.com/shehan-23

portfolio-azure-iota-61.vercel.app



SUMMARY

ICT undergraduate with a strong interest in cybersecurity, focusing on network security, threat detection, and vulnerability assessment. Skilled in network monitoring, basic incident response, and identifying security weaknesses. Familiar with tools such as Nmap, Wireshark, Metasploit, and Burp Suite. Also experienced in backend development using Node.js and Python, building secure APIs and authentication systems.

EDUCATION

BTec (Hons) Information and Communication Technology 2024 - Present
General Sir John Kotelawala Defence University

G.C.E. Advanced Level (A/L) 2022
Dharmaraja College, Kandy

G.C.E. Ordinary Level (O/L) 2019
Dharmaraja College, Kandy

PROJECTS

Cyber-Guard Robot Scanner 2026
Built a containerized security tool with a web-based interface to automate network port scanning and basic vulnerability assessment. Integrated Nmap to scan and analyze 100+ ports and identify active services. Designed REST APIs using Flask to connect scanning processes with the frontend. Improved usability by simplifying complex command-line operations into an accessible interface.
Skills: Python, Flask, Nmap, Docker, REST API, Network Scanning, Vulnerability Assessment

SSH Honeypot 2026
Simulated a vulnerable SSH server to capture and monitor real-world attack attempts. Logged 50+ unauthorized login attempts with IP tracking and credential patterns. Strengthened understanding of brute-force attacks and attacker behavior through log analysis.
Skills: Python, Networking, Log Analysis, Threat Monitoring

GolfTee – Golf Court Booking App 2026
Designed and implemented 20+ secure REST API endpoints with JWT authentication and role-based access control. Enhanced system security by protecting endpoints and validating user input. Optimized database queries to improve response time for booking operations.
Skills: Node.js, Express, JWT, API Security, Access Control

EduTracker – Student Management System 2024
Created backend APIs with structured database design and authentication mechanisms. Improved data integrity by implementing input validation and secure coding practices to reduce common vulnerabilities.
Skills: Node.js, PostgreSQL, Secure API Design, Validation

SKILLS

Cybersecurity:
Network Security Basics, Threat Detection, Incident Response (basic), Risk Assessment, Common Attacks (Brute Force, SQL Injection, Phishing)

Security Tools:
Wireshark (packet analysis), Nmap (network scanning), Metasploit (basic exploitation), Burp Suite (web testing), Linux CLI, Log Analysis

Backend Development:
Node.js, Express.js, REST API Development,API Security, JWT Authentication, Middleware, Secure API Design

Database:
PostgreSQL, Supabase, Firebase, SQL, CRUD Operations, Query Optimization

Programming:
Python, JavaScript, Java, C++, SQL

DevOps & Tools:
Git, GitHub, Postman, Docker (basic)

Soft Skills:
Problem-solving, Teamwork, Leadership, Time Management, Critical Thinking

CERTIFICATIONS

Introduction to Cybersecurity – Cisco Networking Academy 2026
Online Learning Program in Python – University of Moratuwa 2026

ACHIEVEMENTS

President Scout Award 2022
Senior Prefect 2022/2023

VOLUNTEERING

Level Coordinator – BCS Student Chapter of KDU 2026
Finance Team – BCS Student Chapter of KDU 2025
President Scout – 1st Kandy Dharmaraja Scout Group 2022

REFERENCES

Mr. Ramesh Madhuranga
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General Sir John Kotelawala Defence University
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