Bishan Adiptha Ranamuka

Undergraduate

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PROFILE

Enthusiastic Computer Networking undergraduate seeking a Network Engineer Intern position to apply technical knowledge in a practical setting in network design, configuration, and troubleshooting. Eager to contribute to innovative networking solutions and grow in a fast-paced, technology-driven environment.

EDUCATION

BSc (Hons) Computer Networks   2022- Present
NSBM Green University affiliated with Plymouth University, UK

GCE Advanced Level   2008-2021
Ananda College, Colombo-10

LICENSES & CERTIFICATIONS

CCNA: Switching, Routing and Wireless Essentials   2025
University of Moratuwa affiliated with Cisco

CCNA: Introduction to Networks   2024
University of Moratuwa affiliated with Cisco

Linux+: System Management   2024
Cybrary

Diploma in Information technology (Di-TEC)   2024
Esoft Metro Campus

ACADEMIC PROJECTS

Network troubleshooting tool with Anomaly detection
Technologies: Python, PySide6, Scapy, PyShark, Psutil
Developed a Python-based desktop tool for network diagnostics with integrated real-time anomaly detection. Features include step-by-step troubleshooting, passive DNS/TLS/HTTP monitoring, device scanning, and threat intelligence via AbuseIPDB-offering intuitive GUI feedback, alerting users to suspicious activity in home or small office networks.

VoIP Project (PBX) System
Technologies: Cisco Packet Tracer, 2811 Routers, 2960 Switches, 7960 IP Phones
Designed a multimedia-over-IP enterprise network in Cisco Packet Tracer with voice/data VLANs across five departments. Configured Cisco IP phones, telephony services, DHCP, SSH-secured routers, and VLANs to deliver secure VoIP communication, simulating real-world business infrastructure with DNS and HTTP services.

LAN Using Cico Real Devices
Technologies: Cisco 1900 Routers, Cisco 2960-X Switches, NAT, Static IPs, Putty, Router CLI
Designed a network connecting 8 LANs with centralized management and internet access via NAT. Configured static IPs, ACLs for access control, and routing for LAN-to-ISP connectivity. Ensured secure, efficient data sharing using Cisco routers, switches, and Putty for CLI-based setup.

Ethical Hacking Project
Technologies: Parrot OS, Windows 10 VMs, Nmap, Responder, John the Ripper, Metasploit
Executed a full system hacking lifecycle in a controlled lab using Parrot OS and Windows 10 VMs. Activities included reconnaissance, exploitation, privilege escalation, and post-exploitation using tools like Metasploit, Responder, John the Ripper, and Armitage to simulate real-world cyber-attacks.

WEB

🔗 Bishan Ranamuka
🔗 Bishan Adiptha
🔗 Bishan Adiptha
🌐 Portfolio Website

SKILLS

Networking

Routing

Linux

IP Addressing

Python

HTML/ CSS

VoIP

Leadership

Communication

Project Management

Problem Solving

VOLUNTEER EXPERIENCES

Volunteer:
Free & Open-Source Software Community
NSBM

Committee Member:
Music Circle
Buddhist Association
Ananda college

REFERENCES

Mr. Chamindra Attanayake
Senior Lecturer - Department of Network & Security FOC NSBM
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