

Muhammad Irfan Bin Mar Sidek

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Experienced in network, infrastructure, and cybersecurity tasks. Passionate about self-learning and acquiring technical skills through project work. Seeking an internship opportunity related to IT, network, cloud, infrastructure, or cybersecurity from March 2025 to September 2025.

EXPERIENCE

AIMS Data Center, Cyberjaya

July 2024 - August 2024

Part-timer

- Handled server deployments, including unloading servers, unboxing, and mounting them on racks.
- Managed cable dressing, organizing power and LAN cables (CAT6 and CAT7) for servers.
- Assisted with the logistical tasks within the data center

SKILLS

Programming Language :

Python, Java, x86, SQL and Bash

General Skills :

- Teamwork and collaboration
- Troubleshooting and problem-solving
- Adaptability to changes

Technical Skills :

- Proficient in Linux (Debian-based Distro) and basic scripting (Python and Bash)
- Experience in Amazon Web Service services (EC2 and RDS)
- Cisco configuration (Routing, OSPF, BGP, ACL, VPN) using GNS3
- Machine virtualization using VMWare
- Network traffic analysis using Wireshark and Scapy
- Foundation in network (SRWE, ENSA and CyberOps Associate)

EDUCATION

Universiti Malaya, Kuala Lumpur

Bachelor of Computer Science (Computer System and Network)

- October 2021 - Present
- CGPA - 3.62
- Dean's List (Semester 1, Semester 6)

Pusat Asasi Sains Universiti Malaya (PASUM)

Foundation in Physical Science

- November 2020 - April 2021
- CGPA - 3.7
- Dean's List (Semester 1)

PROJECTS

Enterprise Network Design using GNS3

Oct 2023 - Jan 2024

- GNS3 is used to simulate the functionality and connectivity of the virtual network devices, which were deployed in virtual environment using VMWare
- Used HSRP and STP to allow and manage redundancy within Layer 2 connections
- Applied OSPF with load-balancing in core layer and BGP with route-map for external communication between networks

Utilising AWS for Data Analytics using High-Performance Computing (HPC)

May 2024 - June 2024

- Initiated 5 Ubuntu instances on AWS EC2 functioning as nodes of an HPC. The nodes are connected using HTCondor
- Network File System (NFS) is employed to allow all instances to access a common file system, ensuring all data is accessible to all nodes
- Managed load balancing between execution nodes by scheduling tasks in parallel order using HTC Dagman for a faster execution

Anomaly Detection in Network Traffic using Machine Learning (ML)

April 2024 - Present

- Coded in python for seamless machine learning implementation, used Random Forest as ML model for supervised learning. Dataset used to train the model is scraped around the campus using Tshark.
- Leverage Scapy to process network traffic information in real-time and to extract information from dataset PCAP to train ML models
- Use Flask as the face of the project (GUI) and jsonify to visualise real-time traffic data extracted by Scapy.

EXTRACURRICULARS

Technical Committee - Cyber Skills Level-up 2024

- Ensuring the functionality of equipment used during the event, for especially audio-visual equipment
- Troubleshoot technical issues in short period of time to provide fluidity of the program flow
- Teamwork with other technical committees for a better workforce

Multimedia - Art and Cultural Festival KK8

- Worked directly under the director for graphic-related matter
- Designed numeral posters used to provide information regarding the event and indirectly promote the event around the campus
- Designed the official banner for the event

AWARDS AND CERTIFICATES

- Best Committee Award for Academic Bureau KK11 2021
- 4th Place i-UM Distruct Hackathon 2022
- Top 10 Finalist iHack CTF 2024
- Top 20 5G ZTE Hackathon 2024