



Lubna Ali Hassan Ahmed

Networks and Cyber-Security Specialist

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PERSONAL SUMMARY

A passionate and highly motivated Information Technology, computer networks and cyber-security specialist, educated to master level (Computer Security). I speak Arabic and English. I have long Industrial and academic experience in IT, networking, programming, Operating systems and cyber-security. I always seeking to build innovating solutions to prevent against an ever-expanding battery of cyber-attacks and provide security monitoring and incident response services required by the business, in alignment with Cyber Security's mission to protect company's digital assets.

ACADEMIC QUALIFICATIONS

Master's Degree in Computer security

With distinction and best performance Prize

University of Essex

Colchester, United Kingdom.

December 2012.

Bachelor's Degree in Electronics Engineering

First Class (HONOURS).

Sudan University of Science and Technology

Khartoum, Sudan

September 2007.

PUBLICATIONS

L. A. H. Ahmed and Y. A. M. Hamad, "Machine Learning Techniques for Network-based Intrusion Detection System: A Survey Paper," *2021 National Computing Colleges Conference (NCCC)*, 2021, pp. 1-7, doi: 10.1109/NCCC49330.2021.9428827.

CERTIFICATES

Machine Learning

21 February 2021

Stanford University Online

The Fundamentals of SOC

January 18, 2021

PALOALTO Networks

Cisco, Introduction to Cybersecurity

6 January 2021

Introduction to Cybersecurity, **Cisco**

NSE 1, Network Security Associate

January 2021

Fortinet's Network Security Expert Certification

NSE 2, Network Security Associate

January 2021

Fortinet's Network Security Expert Certification

Academic IELTS 6.5

April 2019

IELTS test Report Form Number 18SA003834AHML036A

ITIL Foundation

2016

Information Technology Infrastructure Library

TECHNICAL SKILLS

- Expert in Windows Os distributions and Microsoft Office applications.
- In-depth knowledge of all Linux distributions.

- In-depth knowledge in computer network standards and protocols.
- Comprehensive knowledge of computer networks technologies like LANs, WANs, VLANs, routers, wireless systems and TCP/IP based systems.
- Deep knowledge in network security including firewalls, IDS, IPS, UTMs, Network services security, Secure hosting, VPNs, Cloud Security, Windows Security, Linux Security, Online service security.
- Expert in network traffic monitoring and analysis. Network mapping tools, network scanners, application scanners, network performance tools, network monitoring tools, packet analyzers, Packet capturing tools.
- Highly skilled in installing, testing, maintaining and designing advance secure network solutions.
- Expert in installing, configuring, and monitoring security systems.
- Deep knowledge of penetration testing and ethical hacking. Port scanners, Web scanners, mail scanners, hacking tools, network poisoning tool, IP traffic sniffing.
- Ability to identify vulnerabilities and risks in hardware and software.
- Finding the best way to secure the IT infrastructure of an organisation.
- Expert in programming (C, C++, Java, Python, PHP, HTML) and software architecture.
- Responsive, organized and excellent problem solver.
- Ability to learn and apply new technologies effectively.

WORK EXPERIENCE

Vocational IT instructor, 2018

Niagara College KSA, Alahsa, Saudi Arabia
Worked as full time IT instructor (Temp Staff)

Network and Information Security Specialist

Nile Centre for Technology Researches (NCTR), Khartoum, Sudan

2008 – 2018

I was recruited to establish network and information security appliances development. Designing and implementing network security devices and software. I joined many successful projects that now performing great in customers' networks.

Key Achievements:

- **Network Administration**
Responsible for the installation, support and management of network technologies operating in business environments.
- **Network security developer**
Responsible for developing number of network security devices and software.
- **Network and information security analyst (Penetration Tester)**

Responsible for auditing the company network and online services backend.
The main responsibilities were:

- ✓ Develop, prepared and execute audit program and agenda's.
- ✓ Conducted security event monitoring for corporate wide in-scope applications.
- ✓ Perform application, OS platforms and infrastructure penetration tests.
- ✓ Developed security assessment reports with penetration results and security recommendations.

Teaching Assistant

Sudan University of science and technology, Khartoum Sudan

2007 - 2008

- Worked as a Telecom teaching assistant.
- Taught Microwave and MATLAB labs.

COURSES

- Ethical Hacking, LKS, Sudan 2010
- Linux Threat Analysis, LKS, Sudan 2010
- Linux device driver, LLC, Sudan 2015
- Certified Information System Security Professional (CISSP), NCTR, 2015
- Software testing and debugging , Sudan, LLC 2016
- Android internals, LLC, Sudan 2016
- Network Traffic Analysis (Wireshark), Sudan 2016