Zeenath Abuthalib

CYBER SECURITY INTERN

"I am a multifaceted IT professional with network engineering and website development expertise. I specialize in meticulously designing, implementing, and securing digital infrastructures to ensure their reliability and peak performance. Additionally, I excel in web development, crafting intuitive, user-friendly websites using HTML, CSS, JavaScript, and frameworks. My commitment to clean code and SEO optimization consistently delivers high-quality web solutions. I am a collaborative, results-oriented team player who stays updated with industry trends to provide innovative solutions aligned with organizational goals."

PERSONAL

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LinkedIn
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DOB
2002.08.20

Gender
Female

Status
Married

LANGUAGES

English

Tamil

Sinhala

PERSONAL EXPERIENCE

UNILEVER, 2023 (COMPATATION BASED)
PLACE NUMBER - 02
Driving Success:
"Unleashing Unilever's Growth Potential through Advanced Dashboard Design and Strategic Analysis"

- Business Overview
- Business Intelligence Tools & Features Used By Unilever
- Unilever's Strategic Success with Cutting-Edge BI Tools
- Designing BI Tools For Unilever
- Top Products With Percentage - Financial
- Impact of BI Tools and Technologies
- Competition and marketing methodology
- Decision-Making and BI Tools – Unilever vs. Competitors
- Unilever Positioning

UPWORK, 2023 - PRESENT
FREELANCE CYBER SECURITY ANALYST
white2net - Belgium

- Supported senior analysts in conducting vulnerability assessments and penetration tests.
- Helped identify and analyze security risks and vulnerabilities in systems and applications.
- Documented findings and provided recommendations for improving security posture.
- Assisted in monitoring network traffic and security alerts using SIEM (Security Information and Event Management) tools.
- Helped analyze security incidents and responded to potential threats under supervision.
- Maintained logs and records of security incidents and actions taken.
- Assisted in the implementation and maintenance of security protocols and procedures.
- Helped configure and manage security tools such as firewalls, intrusion detection systems, and antivirus software.
- Participated in regular security audits and compliance checks.

EDUCATIONAL CONTENT CREATOR & DESIGNER FOR CYBERSECURITY GRC COURSE
United States

- Developed PowerPoint slides that effectively conveyed the course material.
- Ensured slides were visually engaging and aligned with educational objectives.
- Crafted speaker notes that were informative and easy to follow.
- Provided detailed explanations to accompany slide content for presentations.
- Collaborated with our team to ensure the content aligned with our educational goals.
- Worked closely with educators and subject matter experts to gather insights and feedback.
- Utilized resources like ChatGPT for content generation and research to supplement work.
- Conducted thorough research to ensure accuracy and relevance of content.

DIGITAL FORENSICS REPORT FOR WEBSITE
Kenya

- Conducted forensic investigations on compromised websites to identify security breaches.
- Analyzed digital evidence, including logs and databases, to trace unauthorized access.
- Collected and preserved digital evidence, ensuring integrity.
- Collaborated with IT teams to enhance security measures.
- Utilized tools like EnCase and Wireshark for analysis.
- Documented findings in reports for stakeholders.

JUNIOUR NETWORK ADMINISTRATOR
Macedonia

- Assisted in maintaining and troubleshooting network infrastructure using CCNA and CCNP knowledge.
- Configured and installed network devices and equipment.
- Monitored network performance to ensure smooth operations.
- Provided technical support to end-users.
- Assisted in network documentation and inventory management.

EDUCATION

2018 - 2021
AL - AZHAR NATIONAL SCHOOL
Advanced- Level Examination
- **Technology Stream - 2B C**
  - Bio - System Technology - B
  - Information Communication Technology - C
  - Science For Technology - B

2021 - 2023
IDM KANDY CAMPUS
Higher National Diploma in Networking

2022 - 2023
ACTIVE TECH NETWORKS
Cisco Certified Network Entry Technician
Cisco Certified Network Associate
Grade: Pass (904/1000)
- Network Fundamentals
- Network Access
- IP Connectivity
- IP Services
- Security Fundamentals
- Automation and Programmability

Cisco Certified Network Professional
Grade: Pass (943/1000)
- Studied enterprise network design, high availability, WLAN deployment, Cisco SD-WAN and SD-Access, QoS, and switching mechanisms, including redundancy, FHRP, centralized models, and process vs. CEF.
- Studied device and network virtualization technologies, including Hypervisor types, virtual machines, switching, VRF, GRE, IPsec tunneling, LISP, and VXLAN.
- Studied troubleshooting Layer 2 and 3 protocols, wireless concepts, and IP services like NTP, NAT/PAT, HSRP, VRRP, PIM, and IGMP.
- Studied & implemented diagnosing network problems and monitoring with tools like syslog, NetFlow, SPAN, IPSLA, and Cisco DNA Center workflows.
- Learned configuring device access control, AAA, ACLs, CoPP, and wireless security, including EAP and PSK.
- Studied & practised Python scripts, JSON, YANG, Cisco DNA Center APIs, REST API responses, EEM applets, and compared orchestration tools like Chef, Puppet, Ansible, and SaltStack for automation.

Cisco Certified Internetwork Expert - Reading

2024- Present
ESOFT METRO CAMPUS, KANDY
BSc (Hons) Cyber Security & Digital Forensics -Reading

SOFT SKILLS

Problem-Solving
Communication
Teamwork and Collaboration
Time Management
Attention to Detail
Creativity
Continuous Learning
Client-Focused

TECHNICAL SKILLS

- Programming Languages: JavaScript | C++ | C| PHP | HTML | SQL GIT | Python
- Tools: Burpsuite Professional | Nmap | Nessus | VirusTotal | Wireshark | Netsparker | NSLookup | MobSF | Wfuzz
- Linux Distros
- Network Security
- Malware Analysis
- Finding vulnerabilities
- Vulnerability Assessment and Penetetration Testing (VAPT)
- OWASP top 10
- Microsoft Office Packages
- Canva

CORE COMPETENCIES

- Proficient in a range of network protocols including TCP/IP, BGP, EIGRP and OSPF.
- Experienced in router and switch configuration, optimizing network performance.
- Skilled in network security with expertise in firewalls and IDS/IPS systems.
- Well-versed in routing and switching technologies to ensure efficient data flow.
- Cisco Networking certifications (CCNA, CCNP) highlight comprehensive knowledge.
- Adept in VPN technologies like IPsec and SSL for secure remote access.
- Capable of network monitoring and analysis for proactive issue resolution.
- Familiar with wireless networking to enable seamless connectivity.
- Proficient in subnetting and IP addressing, optimizing network resources.
- Skilled in network troubleshooting, quickly resolving connectivity and performance issues.
- Proficient in web security measures to protect against threats.
- Experienced in version control systems like Git for efficient code management.
- Skilled in API integration to enhance website functionality.
- Expertise in web performance optimization for improved user experience.

CERTIFICATIONS

- Introduction to Ethical Hacking (Great Learning)
- Basics of Ethical Hacking
- Linux Essentials (CISCO certified)
- Advanced Cybersecurity - Threats and Governance Introduction to Cyber Security (CISCO certified)
- Networking Basics (CISCO certified)
- Introduction to the threat Landscape 2.0 Fortinet
- Advent of Cyber - TryHackMe
- Cybersecurity Beginner Learning Path - TryHackMe
- Machine Learning on Google Cloud - Google - Reading

PROJECTS & RESEARCH

AI-BASED QUANTUM SAFE CYBER SECURITY AUTOMATION AND ORCHESTRATION IN THE EDGE INTELLIGENCE OF FUTURE NETWORKS - ONGOING

- The AIQUSEC project advances cybersecurity in access and edge networks by enhancing scalability, efficiency, and effectiveness using AI-driven automation and quantum-safe cryptography. It addresses increased data volumes, digitization, and evolving threats. The project also develops a security validation environment to guide cybersecurity system integration, supporting essential services and EU sustainability goals.

HEALTH CARE WEBSITE DEVELOPMENT

https://healthcarewintan.000webhostapp.com

- Developed a responsive, user-friendly healthcare website with secure patient portals, appointment scheduling, telemedicine integration, and health information resources, ensuring accessibility and compliance with privacy regulations.

RANSOMWARE STUDY

- Conducted comprehensive research on ransomware, analyzing its evolution, impact, and mitigation strategies.

DESIGNING AND IMPLEMENTING A ROBUST NETWORK FOR THE CALL MANAGEMENT (PVT) LTD

- Designed and implemented a robust network for Call Management (Pvt) Ltd, enhancing communication efficiency and security through optimized infrastructure, advanced routing, and reliable connectivity solutions tailored to their operational needs.

BUG BOUNTY PENTESTING REPORTS

- Generated detailed reports highlighting vulnerabilities discovered through bug bounty penetration testing initiatives, aiding in strengthening cybersecurity measures.

ISO 27001 IMPLEMENTATION REPORT

- Led the implementation of ISO 27001 Information Security Management System (ISMS) for an organization, preparing comprehensive documentation and tools to facilitate compliance

ENTERPRISE INFOSEC PROGRAM OVERVIEW

- Provided a concise overview of the organization's Information Security philosophy and secure software engineering practices, ensuring alignment with industry standards and best practices.

REVIEW PAPER ON HEALTHCARE CYBERSECURITY

- Examined cybersecurity threats in the healthcare sector, focusing on securing the Internet of Medical Things (IoMT). I implemented Software Defined Networking (SDN) to enhance protection, ensuring robust security measures against vulnerabilities and improving data protection for connected medical devices and healthcare systems.

NIST ZERO TRUST ARCHITECTURE PRESENTATION

- Explored the principles and implementation of the NIST Zero Trust Architecture through an informative presentation.

EXTRA CURRICULAR ACTIVITIES

- Member - Internet Society (SriLanka)
- Secretary - Undergraduate Society (Hemmathagama)
- Coordinator - Ex Prefects of Al - Azhar College

REFERENCES

Mr. Zahir Fuard

Director / CEO
TYE SOLUTIONS
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zahir@tyesolutions.com.lk

DECLARATION

I hereby declare that the information provided is true and accurate to the best of my knowledge and belief. I am committed to maintaining transparency and honesty in all professional matters and understand the importance of accuracy and integrity in the information presented for consideration.

zeenathabuthalib44@gmail.com
Zeenath Abuthalib
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