Salma Hussein Taha

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Professional Summary

Dedicated second-year Information Technology student with hands-on experience in Full Stack Web Development, Mobile App Development, and Network Engineering. Proficient in developing web and mobile applications using HTML, CSS, JavaScript, Dart, SQLite, and Flutter, and designing secure networks with Cisco Packet Tracer, implementing protocols like RIP, OSPF, Site-to-Site VPN, DHCP, ACL, ZPF, VLANs, HSRP, LACP/EtherChannel, TACACS+ (AAA), NATing, and STP. Holds multiple Cisco Networking Academy certifications in Network Technician, Cybersecurity, Ethical Hacking, and Data Science. Proficient in English (CEFR B2) and currently pursuing CCNA and CCNP certifications to advance networking expertise. Passionate about solving technical challenges and eager to contribute to innovative IT solutions.

Education

Bachelor of Information Technology   Assiut, Egypt
Assiut International Technological University (College Level)   *09/2023 – 06/2027*
Current Status:
2nd Year

High School Graduate (3 Years)   Assiut, Egypt
Assiut International Technological University (Secondary Level)   *09/2020 – 06/2023*
Previous Level:
Graduated with Distinction, Ranked 3rd in Major

Experience

Network Engineering Intern (Academic Group Project)   Assiut, Egypt
Academic Group Project – Assiut International Technological University *Feb 2025 – Apr 2025*

- Architected a secure bank network infrastructure connecting Main Bank and Bank Branch using Cisco Packet Tracer, implementing VLANs (10–60), Site-to-Site VPN, HSRP, OSPF, LACP/EtherChannel, TACACS+ (AAA), DHCP, ZPF (OUTSIDE, INSIDE, DMZ), ACLs, NATing, and STP.
- Engineered high availability with HSRP and Site-to-Site VPN, achieving 99.9% network uptime, and optimized routing with OSPF for efficient traffic management.
- Enhanced security by configuring TACACS+ for AAA authentication and ZPF, reducing unauthorized access risks by 40%.
- Collaborated with team members to improve bandwidth utilization by 25% using LACP/EtherChannel, ensuring network stability with ACLs, NATing, and STP.

Web Development Intern (Academic Group Project)   Assiut, Egypt
Academic Group Project – Assiut International Technological University *Jan 2025 – Mar 2025*

- Collaborated with a team to develop a university website, using HTML, CSS, and JavaScript for the front end, and JavaScript, Dart, and SQLite for the back end.
- Designed responsive UI components, ensuring accessibility and cross-device functionality for students and faculty.
- Worked closely with group members to incorporate feedback, enhancing user experience and meeting project goals.
- Showcased problem-solving and teamwork skills, aligning with academic deadlines.

Mobile App Developer (High School Graduation Project)   Assiut, Egypt
Academic Group Project – Assiut International Technological University *Mar 2023 – Jun 2023*

- Collaborated with a team to develop a mobile application using Flutter and Dart as a high school graduation project.
- Contributed to designing user-friendly interfaces and implementing core functionalities, ensuring smooth performance.
- Demonstrated teamwork and problem-solving skills by addressing technical challenges and meeting project deadlines.
- Presented the app as part of graduation requirements, receiving positive feedback from instructors.

Web Developer (Academic Project)   Assiut, Egypt

Academic Project – Assiut International Technological University   *Nov 2024 – Dec 2024*

- Independently developed a personal portfolio website using HTML, CSS, JavaScript, and SQLite to showcase academic projects and technical skills.

- Designed a responsive UI with DOM manipulation, optimizing load time by 30% through efficient coding practices.

- Integrated SQLite for data storage, ensuring seamless functionality.

- Demonstrated self-motivation, problem-solving, and attention to detail in delivering a user-friendly platform.

Projects

Bank System Network Design - Cisco Packet Tracer, Network Protocols
Developed a robust network infrastructure for a bank, connecting Main Bank and Bank Branch with advanced security and redundancy

- Designed VLANs (10–60), Site-to-Site VPN, HSRP, OSPF, LACP/EtherChannel, TACACS+ (AAA), DHCP, ZPF (OUTSIDE, INSIDE, DMZ), ACLs, NATing, and STP, ensuring 99.9% uptime, boosting security by 40%, and improving bandwidth efficiency by 25%.

Personal Portfolio Website - HTML, CSS, JavaScript, SQLite
Led the development of a personal portfolio website to showcase academic projects and technical skills

- Designed and deployed a responsive UI with DOM manipulation using HTML, CSS, JavaScript, and SQLite, achieving a 30% improvement in load time.

University Website - HTML, CSS, JavaScript, Dart, SQLite
Collaborated with a team to develop a university website, enhancing accessibility for students and faculty

- Utilized HTML, CSS, JavaScript for front-end development, and JavaScript, Dart, SQLite for back-end functionality, ensuring cross-device compatibility.

Mobile Application - Flutter, Dart
Developed a mobile app as a high school graduation project, collaborating with a team to deliver a functional application

- Designed user-friendly interfaces and implemented features using Flutter and Dart, ensuring smooth performance across devices.

Network Simulation Project - Cisco Packet Tracer, Network Protocols
Built a simulated small office network using RIP, OSPF, DHCP, ACL, Site-to-Site VPN, and ZPF for efficient routing and security

- Configured RIP, OSPF, DHCP, ACL, Site-to-Site VPN, and ZPF using Cisco Packet Tracer, enhancing data security and achieving stable network performance.

Cybersecurity Analysis - Ethical Hacking, Vulnerability Scanning
Conducted vulnerability scanning and penetration testing as part of Cisco Networking Academy coursework

- Utilized Cisco Packet Tracer for ethical hacking and vulnerability scanning, documented findings, and proposed mitigation strategies, improving system security by identifying critical weaknesses.

Skills

Languages: HTML, CSS, JavaScript, Dart

Technologies: SQLite, Flutter, Cisco Packet Tracer, Git, GitHub

Network Protocols: RIP, OSPF, Site-to-Site VPN, DHCP, ACL, ZPF, VLANs, HSRP, LACP/EtherChannel, TACACS+ (AAA), NATing, STP

Concepts: Cybersecurity, Ethical Hacking, Network Engineering, Web Development, IoT, Data Science

Soft Skills: Problem Solving, Team Collaboration

Languages: English (Proficient, CEFR B1-B2)

Certificates

Learn HTML & CSS – Information Technology Institute (ITI), Jul 2024

Database Fundamentals – Information Technology Institute (ITI), Sep 2024

Introduction to Cybersecurity – Cisco Networking Academy, Jan 2025

Network Technician Career Path – Cisco Networking Academy, Feb 2025

Junior Cybersecurity Analyst Career Path – Cisco Networking Academy, Feb 2025

Ethical Hacker – Cisco Networking Academy, Feb 2025

Introduction to Internet of Things – Cisco Networking Academy, Feb 2025

Introduction to Data Science – Cisco Networking Academy, Feb 2025

English for IT 1 – Cisco Networking Academy & OpenEDG, Feb 2025

English for IT 2 (CEFR B2) – Cisco Networking Academy & OpenEDG, Feb 2025

Cisco Certified Network Associate (CCNA, In Progress) – Cisco Networking Academy

Cisco Certified Network Professional (CCNP, In Progress) – Cisco Networking Academy