MOHAMED ABDALLA ELHAJ MOHAMED SALIH

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EDUCATION

B.Sc. in Computer Science – Cyber Security Concentration, Qatar University — May 2025
Multiple Dean's List and Vice President's List Awards for Academic Excellence — GPA – 3.65

SKILLS

Languages	Golang, JavaScript, Python, HTML, CSS, Java, SQL, Bash, PowerShell
Frameworks	React, Node.js, Next.js, Tailwind CSS, TensorFlow, Echo, Flask, JavaFX
Tools	Git, Docker, Linux, Nmap, Metasploit, Burp Suite, YARA
Expertise	Cyber Security, Web Development, OOP, Data Structures and Algorithms
Soft Skills	Time Management, Teamwork, Communication, Problem Solving, Accountability

EXPERIENCE

Undergraduate Research Assistant — January 2025 – Present
Qatar Research, Development and Innovation Council (QRDI) — *Doha, Qatar*

- Developed a web-based interface for environmental sound measurements using Next.js and React.
- Enabled users to measure and analyze sound levels through an intuitive digital platform.
- Improved data visualization and user accessibility with dynamic UI components.

IT Services Assistant — February 2024 – December 2024
Career Development Center – Qatar University — *Doha, Qatar*

- Improved Student Employment System by developing HTML code, enhancing functionality.
- Enhanced data management by editing and creating SQL queries.
- Increased accessibility by translating the system from English to Arabic.
- Created documentation and guides for the use of the Student Employment System.

Cyber Security Intern — August 2024 – October 2024
Mossé Cyber Security Institute — *Remote*

- Created a suite of PowerShell scripts to assess and harden security settings on Windows machines.
- Conducted network vulnerability scans and exploited vulnerabilities using Metasploit.
- Utilized YARA for malware hunting and Python for threat actor detection on Windows networks.
- Developed secure cookies and authentication using Python and Flask.

CERTIFICATIONS

- CompTIA Security+ SY0 – 701. — July 2024
- Samsung Innovation Campus – Artificial Intelligence. — March 2024
- Cisco CCNA – Introduction to Networks. — December 2023
- Try Hack Me – Junior Penetration Tester — September 2023

PROJECTS

JerboLab Golang, HTMX, Alpine.js, Tailwind CSS, Docker, Linux — August 2024 - May 2025

- Developed a self-hosted platform for live code execution, instant grading, and real-world DevOps education.
- Built interactive UI components with HTMX and Alpine.js, enabling dynamic workflows without full reloads.
- Containerized projects using Docker to support one-click deployment, service control, and classroom isolation.

Phishing Detection Model Python, TensorFlow, NumPy, Pandas August 2024

- Achieved 96.9% accuracy in detecting phishing emails using a deep learning model.
- Developed the model with RNN and LSTM layers, leveraging NLP for text preprocessing.
- Evaluated model performance through accuracy, loss metrics, and confusion matrix analysis.

Spark Website HTML, JavaScript, React, Next.js, Tailwind CSS April 2024

- Developed The Spark website for buying and selling cars with an intuitive, user-friendly design.
- Utilized React for dynamic, responsive UI and Tailwind CSS for streamlined, modern styling.
- Employed Prisma and Supabase for efficient database management and Next.js for server-side actions.

Arabic OCR Model Python, TensorFlow, OpenCV, NumPy January 2024

- Developed an OCR model with 97.5% accuracy for Arabic characters.
- Used CNNs for feature extraction and Bi-LSTM RNNs for sequence understanding.
- Preprocessed images and trained the model on 70,000 Arabic character samples.

EXTRACURRICULAR ACTIVITIES

Second Place Winner May 2025
Senior Design Project Competition — Best Computer Science Project *Doha, Qatar*

- Awarded 2nd place for JerboLab, a self-hosted educational coding platform.
- Recognized for innovation, technical depth, and real-world relevance.
- Showcased live code execution, grading, and modular system tools.
- Delivered a working demo to judges and attendees.

Fourth Place Winner September 2024
Qatar Collegiate Programming Competition (QCPC) *Doha, Qatar*

- Placed fourth overall and ranked as the top team from Qatar University.
- Secured Qualification for the Arab Collegiate Programming Competition (ACPC).
- Solved complex algorithmic challenges under time constraints in a competitive environment.
- Collaborated effectively with team members to develop optimal solutions and troubleshoot code efficiently.

Events Organizer August 2023 – August 2024
Artificial Intelligence Association – Qatar University *Doha, Qatar*

- Brainstormed and curated engaging AI-related sessions, panels, and presentations for AIQU events.
- Created comprehensive event documents to guide the planning and execution of AIQU events.
- Collaborated with team members to develop and refine the vision for AIQU events.

LANGUAGE PROFICIENCY

- Arabic – Native Proficiency
- English – Expert Proficiency