

MOHAMMED ALSHAWI

Software engineer & Cybersecurity fresh graduate

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• Jeddah, Saudi Arabia

Summary

Software engineer and cybersecurity fresh graduate with hands-on experience in threat monitoring, vulnerability assessments, and cybersecurity governance. Contributed to initiatives that strengthened security practices and increased community engagement across projects with organizations including MCIT, WEF, and IEEE. Co-authored a research study on solar panels, investigating materials, including a comparative analysis, application methods, and real-world performance. Brings a foundation in incident response, secure coding, and applied research, and is seeking to apply technical and leadership skills.

Education

University of Business & Technology Jeddah, Saudi Arabia
Bachelor of Science in Software Engineering [Cybersecurity] | GPA: 4.07 / 5 01/2019 - 10/2025

- Data Structures, Database Management Systems, Web Development, Development Lifecycle, Cybersecurity, Networking, Cryptography

Experience

Ministry of Communication and Information Technology Riyadh, Saudi Arabia
Cybersecurity Analyst Trainee 06/2025 - 08/2025

- Supported the GRC department, contributing to 2 projects. Maintained SOC monitoring of cyber threats. Collaborated on cybersecurity initiatives with R&D and PT&VA, enhancing cybersecurity resilience. Created a cybersecurity project in PMO.

IEEE Saudi Arabia
IEEE Xtreme 19.0 Competition | Section Leader 04/2025 - 07/2025

- Increased Saudi Arabia's participation by more than 45% through targeted coordination and engagement efforts across all universities.

Google Developer Group | UBT Student Club Jeddah, Saudi Arabia
Quality Assurance Manager 01/2025 - 05/2025

- Helped to deliver and enhance 9 workshops and more than 130 students benefited through Google Developer Group club.

World Economic Forum Jeddah, Saudi Arabia
Global Shaper | Curator of Jeddah Hub 26/27 02/2024 - Present

- Drove a 20% increase in community engagement by launching a digital outreach strategy for the Tech J Shore initiative in Jeddah.

University of Business & Technology Jeddah, Saudi Arabia
Student Council Member 02/2024 - 10/2025

- Collaborated with university administration to expand the student's research department by 20%

Zoom Remote
Penetration Tester 03/2020 - 09/2020

- Performed 3 vulnerability assessments and penetration tests on Zoom's network infrastructure during the data leakage incident.

Projects

Hex Sentinel and Advanced Student Supervisor | Senior project 11/2024 - 10/2025

Kali Linux | CSS | React | Nextjs | PostgreSQL | JavaScript | Excel Spreadsheets | Security Compliance Standards | Threat Intelligence

- Hex Sentinel is an advanced honeypot detection and countermeasure system with AI integration, protecting sensitive data and infrastructures from attackers. It enhances web-based Advanced student supervision with its custom user AI module for improved access and experience on all front.

NASA Hackathon 10/2024

Dust-resistant solar panels using coating material.

- Won 2nd place at the NASA Hackathon for a data-driven dust-resistant solar panel solution, earning a global nomination in the institute.

Technical Skills

Cybersecurity • Kali Linux • Python • Nextjs • Excel Spreadsheets • Discrete Systems • C++ • JavaScript • CSS • PostgreSQL • React • Incident Response Frameworks • Security Compliance Standards • Threat Intelligence • SIEM Tools • Local AI training • Networking

Languages

Arabic Native English Fluent

Certifications

CompTIA Security+ — CompTIA CompTIA Network+ — CompTIA
Junior Penetration Tester — INE Project Management Practicals — American Academy of Project Management
Introduction to Cybersecurity — KAUST Academy Introduction to Artificial intelligence — KAUST Academy