

## Resume

# Mohammed Ahmed Saif Al Badi

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## Professional Summary

As a dedicated engineer, I bring extensive experience across academic, technical, and operational domains. Energetic and driven, I am deeply passionate about knowledge sharing and technology transfer. Serving in the Sultan Armed Forces for nearly five years has been a great honor, instilling in me discipline, leadership, and a strong sense of responsibility.

Since commencing my career at the National Survey and Geospatial Information Authority (NSGIA) in March 2021, I have made significant contributions to the Geospatial and IT departments. My work involves implementing GIS and AI-driven solutions, strengthening my expertise in cybersecurity, programming, and database management.

## Work Experience

National Survey and Geospatial Authority

### GIS Specialist – GIS Section 2021 - 2023

1. Captured, processed, and managed geographic data to support national survey projects.
2. Conducted spatial analysis using a wide range of GIS tools, including ArcMap, ArcGIS Pro, and QGIS.
3. Designed and produced cartographic maps at multiple scales (1:5,000 to 1:250,000) in compliance with national cartographic standards.
4. Developed 3D geospatial models and integrated deep learning technologies into GIS workflows.
5. Applied advanced spatial analysis techniques to support decision-making and planning processes.

### Military Technological College (MTC)

Temporarily transferred **Academic Tutor – GIS - September to October 2024**

1. Delivered training sessions on GIS fundamentals to university students and college trainees during summer programs.
2. Guided learners in applying GIS applications for spatial data management and analysis.

### Data Center Department – Cybersecurity Technician (June 2025 – 2026)

1. Manage and secure organizational databases, ensuring proper authorization and controlled access for employees.
2. I worked on scripting GIS tools, some of the tools that I have made. You can find them in my GitHub username.
3. Built AI threat detection using ML/DL to capture malware, phishing URL, fraud, attempts.
4. Engineered a simple and custom search engine using python.
5. Developed multiple malwares undetectable by anti-viruses in Python and C++, including Ransomware & Trojan.
6. Gained hands on experiences with Kali Linux tools including: Nmap, Metasploit, Wireshark, Aircrack-ng, Hashcat.

## Educational Qualification & Courses

- 2019 – 2020: High School General Diploma – *Ya'arab bin Bel'arab School*
- 2022 – 2023: Diploma in Geometric Engineering – *Military College of Technology (MTC)*
- 2022 – 2026: BEng (Hons) in Computer Engineering (Cyber Security) – *Middle East College*

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### CompTIA

- 2025: CompTIA Security+
- 2025: CompTIA PenTest+

### EC-Council

- 2025: Certified SOC Analyst (CSA)
- 2025: Certified Threat Intelligence Analyst (CTIA v2)

### Other Certifications (Code Academy & Specialized Training)

- 2025: Cisco Certified Network Associate (CCNA)
- 2025: Linux Essentials
- 2025: Capacity Building Camp in Cybersecurity
- 2025: Preparatory Course for SOC Analyst
- 2025: Essential Penetration Testing

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## Projects, Conferences & Contributions

- 2023: Student Project Competition – *4th Science Week, MTC*
- 2023: 1st International Conference on Aeronautical Sciences, Engineering and Technology (ICASET) – *MTC*
- 2023: Conducted *GIS Fundamentals Course* as a Tutor – *MTC in collaboration with NSGIA*
- 2024: Certificate of Contribution to Google Street View Project – *Ministry of Transport, Communication, and Information Technology*
- 2024: Certificate of Appreciation for World GIS Day – *Ministry of Education*

## References:

Up-on request

