Ahmed M. Abd El-Rahman

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PROFESSIONAL SUMMARY

Computer Science graduate with a strong interest in penetration testing and database development. Experienced in building projects using SQL Server and continuously improving cybersecurity skills. Eager to contribute to high-performing technical teams.

PROFESSIONAL EXPERIENCE

MedMate (Graduation Project):   **2022-2023**

I supervised the SQL portion of the design and implementation of the MedMate healthcare management system database. The project aims to streamline the management of patient information and medical services.
- Technologies used: SQL Server, T-SQL, Stored Procedures, Healthcare Data Management

Ransomware Incident Tracker   **2023-2024**

- Created a database to track ransomware incidents, including attack type, affected systems, and response times. Developed queries to analyze trends and generate summaries.
- **Tools:** SQL Server
- **Skills:** Data Structuring, Incident Tracking, Reporting

Vulnerability Management System   **2023-2024**

- Designed and implemented a SQL Server database to manage and track vulnerabilities across systems. Built queries to filter by severity and patch status, and generated reports for remediation priorities.
- **Tools:** SQL Server, T-SQL
- **Skills:** Database Design, Data Analysis, Cybersecurity Awareness

Cyber Attack Log Analysis   **2023-2024**

- Analyzed simulated attack logs to identify intrusion patterns and security incidents. Used Wireshark and Python scripts to extract insights and visualize traffic behaviour. Created a summary report with key findings.
- **Tools:** Wireshark, Python, Excel
- **Skills:** Log Analysis, Network Forensics, Reporting

Movie Rental Database Management System   **2023-2024**

- Built a relational database system to manage movie rentals, customers, payments, and returns. Wrote SQL queries to generate reports like most rented movies and top customers.
- **Tools:** SQL Server
- **Skills:** Data Structuring, Incident Tracking, Reporting

EDUCATION

B.Sc. in Computer Science   **Higher Thebes Institute of Management and IT**
GPA: 2.57   **2019-2023**

ADDITIONAL INFORMATION

- Technical Skills: SQL, Penetration Testing Tools & Techniques, Programming Languages: Python, Java, C++, JavaScript, HTML & CSS, XML, Cybersecurity: Basic understanding of network security, ethical hacking, and vulnerability assessment, Operating Systems: Windows, Linux
- Languages: Arabic (Native) English (Intermediate)
- Certifications: C++ (August 2019), SQL (August 2022), Python (January 2020), Java (November 2021), CCNA (January 2022), Introduction to Cybersecurity (May 2022), Front-End Developer (August 2023)
- **VOLUNTEER EXPERIENCE**
- Team Leader
  Ushering Tiba Byte, Nov 2021 - May 2023
  Tiba Byte is a tech student activity located at the Higher Thebes Institute of Management and IT. I led the male team members and conducted multiple in-campus sessions, also presenting some of them.
- Organizer
  Egypt Career Summit, Feb 2023
  Egypt Career Summit is an annual career development event held by Career 180. I was a registration organizer at the VIP gate, responsible for welcoming VIPs