

AHMED ALABOODI

Software Engineer / Cybersecurity Engineer / Cloud & Network Security

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Profile

A Cybersecurity & Network Engineering professional with over 7 years of progressive experience securing enterprise networks, applications, and cloud environments across academic, corporate, and global remote settings. Combines deep networking expertise with modern cybersecurity practices to protect critical systems, ensure compliance, and deliver resilient solutions aligned with business goals. Recognized for technical precision, adaptability, and a collaborative approach to problem-solving.

Experience

- 06/2024 - 01/2025
Purdue University
(Remote)
Data Management & security Engineer
 - Identified and resolved over 200 data anomalies through enterprise-wide data integrity audits.
 - Enhanced database performance by 35% via optimization of architecture and indexing strategies.
 - Built BI dashboards to deliver real-time academic insights, increasing data visibility, and stakeholder access.
 - Enforced data protection through advanced encryption and strict access control policies.
 - Contributed innovative ideas and solutions to enhance team performance and outcomes.
- 02/2023 - 08/2023
Georgia State
University
Atlanta, USA
Cyber Security Engineer
 - Designed a secure Android application with MFA and real-time threat monitoring for academic research users.
 - Led the team in building full-stack web apps using secure coding, reducing critical vulnerabilities by 40%.
 - Simulated DDoS scenarios to test defense mechanisms, improving response time by 60%.
 - Conducted weekly vulnerability scans, strengthening system resilience, and audit readiness.
 - Worked successfully with diverse group of coworkers to accomplish goals and address issues related to our products and services.
- 06/2017 - 11/2022
EarthLink - Baghdad,
Iraq (Remote)
Sr. security & Network Engineer
 - Deployed secure enterprise networks supporting over 500 users, with redundant failover systems.
 - Conducted security audits that reduced risk exposure by 45% across three operational zones.
 - Integrated next-gen firewalls, SIEM tools, and intrusion detection systems into the core infrastructure.
 - Led incident response drills and threat-hunting operations to improve team preparedness.
 - Provided technical support and training to junior engineers and staff members.
 - Installed software updates on servers, routers, firewalls, and other network devices
- 05/2012 - 01/2017
LATN Language
Services
Atlanta, USA
Certified Legal & Medical Interpreter
 - Interpreted in over 800 legal and medical sessions, ensuring compliance with HIPAA standards.
 - Supported multilingual communication during critical healthcare and court proceedings.
 - Translated sensitive medical data with 100% accuracy, improving patient trust and treatment outcomes.

Hands-On Projects

- Machine Learning in Cybersecurity** - Python, scikit-learn, Pandas (2025)
Designed, trained, and deployed advanced classification models on real-world threat-intelligence datasets to automate detection workflows, improving identification accuracy and reducing mean time to detect threats.

- **Phishing Simulation Site**-Security Research Project (2024)
(HTML, CSS, JS, PHP) Developed a simulated phishing site mimicking a donation page to demonstrate credit card data harvesting using PHP form capture and client-side deception techniques. Emphasized security awareness by logging sensitive inputs to a backend file for analysis.
- **Baby Bud - Baby Care Alert & Tracker System** - Full-Stack Safety Tracker (2023, Team of 2)
Python, Firebase, Google Maps API, Tkinter
Built a GUI-based baby safety app with real-time GPS tracking, Firebase Auth, Firestore storage, and cloud alerts. Integrated Google Maps API, audio/image handling, and check-in/out features in a single end-to-end system.
- **Dynamic Fifteen Puzzle Game** (2019)
(HTML, CSS, JavaScript)
Designed and developed a browser-based Fifteen Puzzle Game featuring tile shuffling, animated movements, a cheat-solve algorithm, win detection, and customizable levels. Integrated dynamic background music, sound effects, and player score tracking, with support for multiple puzzle sizes and themes. Deployed and tested the game on GSU's Codd server with interactive user feedback and bug tracking.
- **API Security** (2024) - Tested API endpoints for vulnerabilities and enforced secure authentication and authorization protocols.
- **Database Security** (2021) - Protected SQL systems by implementing inference attack countermeasures and access control layers.
- **Malware Analysis** (2025) - Reverse Engineering & Behavioural Testing
Reverse-engineered malware samples in sandboxed environments to observe behaviour, extract indicators of compromise (IOCs), and assess payload functionality. Identified evasion techniques and used static and dynamic analysis tools to enhance detection strategies.

EDUCATION & CERTIFICATIONS

09/2024 - 12/2026 Atlanta, GA	M.S. in Cybersecurity Georgia Institute of Technology
02/2018 - 12/2023 Atlanta, GA	B.S. in Computer Science Georgia State University
02/2015 - 01/2017 Lawrenceville, GA	A.A.S. in Information Technology Gwinnett Technical College

Certifications

- Cybersecurity Certificate (1-Year Program at GSU)
- Cisco Certified Network Associate (CCNA) - Expires 2027
- Cisco Certified Network Professional (CCNP) - Expires 2027
- CCNP Security - Expires 2027
- CompTIA A+ - Expires 2027
- CompTIA Security+ - Expires 2027
- CompTIA Linux+ - Expires 2027
- Certified Legal & Medical Interpreter

Core Skills & Technical Expertise

- SOC | MITRE ATT&CK | Splunk
- Network security and risk assessment
- Threat Analysis & Incident Response
- Python, Java, PHP, C#, HTML/CSS
- Vulnerability Scanning & Encryption
- Intrusion Detection & Endpoint Security
- DevSecOps: CI/CD Security, Docker, Kubernetes
- SIEM & Firewall Management
- HIPAA /ISO 27001/ NIST/ PCI-DSS Compliance
- Agile & Full-Stack Development
- Malware Analysis & Access Control
- Data Protection & Security Policies
- GitHub Actions, IaC, Jenkins