

Abdelrahman Awad

Linkedin: Abdelrahman Yasser Awad

Github: KoalaAwad

Email : abdelawad7536@gmail.com

Mobile : +971 (56) 752-5139

Portfolio : koalaawad.github.io

EDUCATION

- **Rochester Institute of Technology (RIT)**

B.S Cybersecurity

Dubai, United Arab Emirates

2020 – 2024

SKILLS

- **Programming Languages:** Java, Python, C#, Rust, Typescript, Shell Scripting, LaTeX
- **Frameworks / Libraries:** Spring Boot, DJango, Flask, React, Next.js, Angular, ASP.NET, JQuery
- **Databases / Backend:** PostgreSQL, MySQL, Docker, REST APIs, Microservices
- **Cybersecurity / Tools:** Burp Suite, Metasploit, Suricata, Wireshark, Nmap, OpenVAS, Nessus, IDA Pro, Ghidra, Cobalt Strike, Snort, Active Directory Security, Wazuh IDS, Firewall Configuration, Kali Linux

EXPERIENCE

- **e& (Etisalat and Group)**

Software Engineer Intern

Dubai, United Arab Emirates

August 2024 - Present

- **Backend Development:** Implemented REST controllers and request validation using Spring Boot, improving API reliability and reducing service errors for internal microservices.
- **Issue Debugging:** Analyzed service logs and stack traces to diagnose backend issues, assisting in development with faster bug resolution.
- **Ticket Resolution:** Investigated and closed assigned Jira tickets involving API behavior, configuration, and service-level bugs.

- **Malcrove**

Cybersecurity Intern

Remote

Mar 2022 – Sep 2022

- **Security Assessment Assistance:** accompanied on site penetration tests, studied firewall setup and Suricata rule configuration, assisted in report writing and formatting

- **Rochester Institute of Technology**

Student Researcher

Dubai, United Arab Emirates

June 2023 – November 2023

- **Malware Development:** Built basic Android remote-access tooling to simulate spyware behavior for data collection.
- **ML-Based Detection:** Wrote Python script to train ML models to detect anomalous microphone and camera usage patterns from system call data.

PROJECTS

- **MediTracker (Personal Project):** Designed and implemented RESTful APIs using Spring Boot, enabling secure user-specific data access. Integrated PostgreSQL with Docker and a React front-end layer, simplifying local development and deployment. Containerized each component independently, reducing setup time and improving maintainability.
- **Secure Company Environment (Active Directory + Wazuh IDS):** Built a secure Windows domain environment using Active Directory and Group Policy. Integrated Wazuh IDS for real-time monitoring, log collection, and security alerting.
- **Rust Command and Control Framework (Cybersecurity Tool):** Designed an asynchronous TCP-based multi-client C2 system using Tokio and rustls. Implemented runtime certificate management and modular command handling.
- **CPTC Regionals — 2nd Place:** Competed in the regional Global Collegiate Penetration Testing Competition competition with team. Achieved 2nd place after months of training in offensive cybersecurity challenges.