

# Messaoudi abdmalek

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## SUMMARY

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Cybersecurity researcher and developer skilled in **reverse engineering, malware analysis, and AI-based threat detection**. Built the **GuardianAI phishing detection system** and co-founded an incubated startup under **Ithihad Group** after winning multiple hackathons. Experienced in **full-stack development, machine learning, and technical leadership** as a Training Manager and **Huawei Ambassador**.

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## EXPERIENCE

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### Startup Co-Founder

#### Ithihad Group

May 2025 - September 2025

- Served as **Project Manager** for an incubated startup under Ithihad Group, overseeing product development and strategic planning.
- Coordinated with **industry experts, mentors, and investors** to refine the business model and technology roadmap.
- Participated in **entrepreneurship and company formation training** provided by the incubator to strengthen project and leadership skills.
- Managed cross-functional collaboration between the technical and business teams to drive the project toward market readiness.

### Developer – AI & Cybersecurity

#### Self project: GuardianAI – Advanced Phishing Detection

January 2025 - June 2025

- Designed and developed the entire phishing detection pipeline using **Python, TensorFlow, and Android Studio**.
  - Processed and analyzed large phishing datasets to train a DNN model achieving up to **98% detection accuracy**.
  - Implemented **feature extraction** for URL structure, domain patterns, and HTML attributes.
  - Integrated the trained model into a mobile app for real-time phishing detection and user alerts.
  - Documented system architecture, data flow, and performance evaluation on GitHub.
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## EDUCATION

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### Cyber Security degree

USDB(Blida 1) • Blida • 2027

### Computer Science degree

USDB(blida 1) • BLIDA • 2024

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## INVOLVEMENT

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### Cybersecurity Technical Writer & Blogger

Independent • September 2025 - Present

- Researched and wrote detailed articles on cybersecurity topics.
- Produced technical write-ups and tutorials to simplify complex security concepts for students and professionals.
- Published content on personal blogs to promote cybersecurity awareness.

## reverse engineering, malware analysis

apoorv CTF, vishwa CTF, nexZERO.FTC, pico CTF, DataBounty, CTF-aljazira • January 2023 – Present

- Solved reverse engineering and malware analysis challenges in multiple CTF competitions.
- Used tools such as **Ghidra**, **IDA Pro**, and **debuggers** to analyze and exploit binaries.
- Investigated malicious code behavior and identified vulnerabilities.
- Collaborated with teammates to design exploitation and mitigation strategies.

## self project GuardianAI – Advanced Phishing Detection

Developer – Machine Learning & Cybersecurity • January 2025 – May 2025

- Developed an Android-based phishing detection system using **Deep Neural Networks** for real-time URL analysis.
- Processed large phishing datasets and achieved **up to with high accuracy**.
- Designed a **dual-layer protection system** combining passive monitoring and intent interception.
- Integrated the trained ML model into a responsive app with secure API handling and live phishing alerts.

## CSCC: Computer Science Community Club

USDB • Training Manager • October 2024 – May 2025

- Trained members by providing quality learning resources and inviting expert instructors.
- Represented Huawei as an ambassador, promoting technology programs and bridging students with industry opportunities.
- Fostered collaboration and continuous learning across the university's community.

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## SKILLS

**Hard Skills:**Cybersecurity (Reverse Engineering, Malware Analysis, Phishing Detection, Threat Analysis), Machine Learning & AI (TensorFlow, scikit-learn, Data Preprocessing, Model Evaluation), Full-Stack Development (MERN Stack: MongoDB, Express.js, React.js, Node.js), Mobile Development (Flutter, Android, API Integration), DevOps & Deployment (Docker, Firebase, Render, GitHub Actions, CI/CD), and IoT Systems (Arduino, ESP32, Hardware Debugging).

**Soft Skills:**Leadership & Mentorship (as Training Manager and Huawei Ambassador), Problem Solving & Analytical Thinking (through CTFs and Research Projects), Collaboration & Communication (cross-functional and hackathon teamwork), Innovation & Entrepreneurship (Hackathon Winner, Startup Co-Founder), and Continuous Learning with adaptability to emerging technologies.

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