

Adham Rashed

Cybersecurity Researcher & Software Developer

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Professional Summary

Cybersecurity professional and software developer pursuing a Master's degree in Cybersecurity at Istinye University. Founder of TherapyIN, a comprehensive healthcare management platform. Combining academic research in database security with practical experience in identity management, automation systems, and full-stack development. Passionate about leveraging AI and blockchain technologies to create innovative security solutions.

Education

Master of Science in Cybersecurity

September 2024 – Present
Istanbul, Turkey

Istinye University

- Research Focus: Database Security, AI-Enhanced Threat Detection, Blockchain Applications
- Thesis Topic: Integration of AI and Blockchain for Advanced Database Security Solutions
- Relevant Coursework: Advanced Cryptography, Network Security, Digital Forensics, Security Architecture

Bachelor of Applied Computer Science

September 2018 – June 2024
Tulkarm, Palestine

Palestine Technical University – Kadoorie
Graduated with Distinction

- Final Year Project: Cloud-Based Healthcare Management System
- Activities: Programming Club, Cybersecurity Society

Professional Experience

Founder & Lead Developer

June 2024 – Present
Istanbul, Turkey

TherapyIN

- Architecting and developing a comprehensive therapy clinic management and booking platform
- Implementing secure authentication systems and role-based access controls
- Designing scalable database architecture for patient data management
- Integrating payment gateways and appointment scheduling systems
- Managing full project lifecycle from concept to deployment

Programming & Science Tutor

January 2023 – Present
Remote

Online Educator

- Delivering personalized instruction in Python, Java, SQL, and web development

- Teaching mathematics and physics to undergraduate students
- Developing custom learning materials and practical exercises
- Mentoring students on software development projects

Digital Menu Designer

April 2023 – January 2024

HAAT Restaurant Group

Tulkarm, Palestine

- Designed and implemented digital menu systems for restaurant chains
- Created responsive web interfaces for customer ordering systems
- Collaborated with stakeholders to align technical solutions with business needs

Technical & Business Translation Services

2023 – Present

Freelance Translator

Remote

- Providing English-Arabic translation for technical documentation
- Specializing in IT, cybersecurity, and business communications
- Supporting international teams with cross-cultural communication

Technical Skills

Cybersecurity & Security Tools

- Identity & Access Management: SailPoint IdentityIQ, Role-Based Access Control (RBAC)
- Security Testing: Kali Linux, Wireshark, Tcpdump, Metasploit, Burp Suite
- System Hardening: CentOS, Ubuntu Server, Security Auditing
- Cryptography: PKI, SSL/TLS, Encryption Protocols

Programming & Development

- Languages: Python, JavaScript, PHP, SQL, Java, C++
- Web Technologies: React, Node.js, HTML5, CSS3, RESTful APIs
- Frameworks: Django, Express.js, Laravel
- Mobile Development: React Native, Progressive Web Apps

Database & Data Management

- Relational Databases: MySQL, PostgreSQL, MariaDB
- NoSQL: MongoDB, Redis; Time-Series: InfluxDB, Prometheus
- Data Modeling: ERD Design, Query Optimization, Database Security

DevOps & Automation

- Automation Platforms: n8n, Apache Airflow
- Containerization: Docker, Docker Compose
- Version Control: Git, GitHub, GitLab; CI/CD: GitHub Actions

- Cloud Platforms: AWS (EC2, S3), Google Cloud Platform, Hostinger

Certifications & Training

Google Cybersecurity Professional Certificate

January 2025

Comprehensive training in security fundamentals, risk assessment, and incident response. Hands-on labs with Linux, SQL, Python, and security tools.

AIM Cybersecurity Specialization – StarLink/Infinigate Group

December 2024 – January 2025

Intensive program focusing on Enterprise IAM Solutions, SailPoint IdentityIQ implementation and administration, Digital identity lifecycle management.

Marketing Strategy Diploma – Coursera

2023

Digital marketing, brand management, and customer analytics.

Projects & Research

Enterprise IAM Implementation

December 2024

- Deployed full SailPoint IdentityIQ environment for mock enterprise
- Configured automated provisioning and de-provisioning workflows
- Implemented compliance policies and access certification campaigns

Healthcare Data Security Framework

October 2024 – Present

- Investigating vulnerabilities in healthcare database systems
- Proposing hybrid encryption methods for sensitive medical data
- Developing audit trail mechanisms for HIPAA compliance

Automated Workflow Platform Integration

2024

- Built complex automation workflows using n8n for business process optimization
- Integrated multiple APIs and services for data synchronization
- Created custom nodes for specialized functionality

Publications & Presentations

- “The RIME-Whale Algorithm: A Synergistic Hybrid for Effective Global Optimization Problems” – Research paper in progress

Languages

- **Arabic:** Native proficiency
- **English:** Full professional proficiency
- **Turkish:** Basic conversational

Professional Interests

Database Security & Privacy • Artificial Intelligence in Cybersecurity • Blockchain & Distributed Systems • Identity & Access Management • Healthcare Technology Innovation • High-Performance Computing • IoT Security

Extracurricular Activities

- Member, Istinye University Cybersecurity Research Group
- Contributor, Open Source Security Tools
- Enthusiast: Culinary Arts, Cinema, Fine Arts
- Head of Activities Committee at the Palestinian Students Association in Istanbul

References available upon request