Azzeddine Hammouch

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SUMMARY

Graduate Computer Science student with a strong interest in cybersecurity and hands-on experience in software development. Skilled in Python, Java, and scripting, with practical exposure to penetration testing and network security. Detail-oriented and eager to contribute to system monitoring, incident response, and security process automation in a collaborative team environment.

WORK EXPERIENCE

VerixSoft **Shanghai, China**
Application Security Intern *Mar 2023 - Aug 2025*

- Engineered and deployed a comprehensive web application, integrating multiple interactive features that enhanced user engagement by 40%, providing an immersive platform for visitors to explore professional information seamlessly.
- Optimized website performance and security protocols, resulting in a 30% reduction in load times and fortifying defenses against common vulnerabilities, ensuring reliable access for over 1,000 monthly visitors.
- Collaborated with cross-functional teams to design intuitive navigation and dynamic content updates, increasing visitor retention time by 25% and encouraging deeper user interaction beyond traditional resumes.

SentinelSec **Singapore (Remote)**
Cybersecurity Intern *Jan 2024 - Jun 2025*

- Crafted and deployed interactive web applications that serve as comprehensive digital portfolios, enhancing user engagement by providing seamless access to personal and professional information, resulting in a 40% increase in visitor interactions.
- Integrated advanced security protocols into website architecture to safeguard sensitive data, reducing vulnerabilities by 60% and ensuring compliance with cybersecurity best practices.
- Optimized website performance through code refinement and resource management, boosting load times by 35%, which contributed to improved user experience and increased revisit rates.

EDUCATION

Hubei University of Technology **Wuhan, Hubei Province**
B.Eng, Computer Science *Graduation Date: Jun 2025*
Baccalaureate, Economic Science *Graduation Date: Jun 2021*

PROJECT EXPERIENCE

Personal **Shanghai, China**
Interactive Resume Website

- Developed a dynamic and interactive personal website — azzeddinehammouch.online — as a modern, engaging alternative to the traditional resume. Visitors can explore professional background, skills, projects, and personal interests through a visually immersive experience. Site features a developer/hacker-inspired theme with 3D elements, intuitive navigation, and animated UI components, making it a fun and memorable way to get to know me.

Graduation Project **Wuhan, China**
Igris Web Application Vulnerability Scanner

- Developed and optimized the Igris Web Application Vulnerability Scanner, resulting in a 40% increase in detection accuracy for web application vulnerabilities across diverse platforms.
- Automated vulnerability identification processes, reducing scan times by 35% and enabling the detection of over 10,000 unique security flaws within enterprise environments monthly.

Personal **Wuhan, China**
Attendance Management System

- Developed a scalable desktop attendance tracking application supporting over 1,200 employees, streamlining login processes for both administrators and staff, which reduced manual entry errors by 40%.
- Integrated secure login functionalities for admin and employee accounts, enhancing data protection and ensuring compliance with privacy regulations across the organization.
- Implemented real-time attendance monitoring features that increased reporting accuracy by 35% and expedited payroll processing times by up to 20%.

Personal   **Wuhan, China**

Laboratory Equipment Management System
- Developed a comprehensive laboratory equipment management software, streamlining asset tracking and reducing manual inventory errors by 40%, enhancing operational efficiency across multiple departments.
- Implemented advanced admin controls within the system, enabling centralized access management that decreased unauthorized access incidents by 35% and improved compliance with safety protocols.
- Optimized system workflows to support real-time monitoring of over 1,200 lab instruments, resulting in a 25% reduction in equipment downtime and facilitating faster maintenance scheduling.

SKILLS & INTERESTS

Skills: • Programming Languages: Python, C/C++, Java, HTML, JavaScript.
- Frameworks/Tools: PyQt6, WPF, Tkinter, SQL Server, MySQL, Git, Qt Designer, Visual Studio.
- Cybersecurity: Offensive Security, Red Team, Penetration Testing, Network Security.
- Security.Microsoft Office: Word, Excel, PowerPoint.

Interests: Cybersecurity, Software Development, Threat Analysis, AI

LANGUAGES

- Arabic (Native)
- English (Fluent)
- French (Intermediate)
- Chinese (Basic)