

AL AZHAR RIZQI RIFA'I FIRDAUS

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Malang, Indonesia

Student at State Polytechnic of Malang with a strong passion for cybersecurity. Experienced as a mentor, competitor, and researcher. Actively practice on platforms like Hack The Box, and publish technical content on Medium.

Education Level

State Polytechnic of Malang - Malang, Indonesia

Aug 2022 - Aug 2026 (Expected)

Bachelor Degree in Informatics Engineering, 3.71/4.00

- Conducted research about cybersecurity, finding critical vulnerabilities on Ujianjti Polinema and Porseni Polinema systems.
- Speaker at Brain Boost Capture The Flag 2024, engaging ~30 participants.

Work Experiences

SMKN 4 Malang - Indonesia

Nov 2024 - Present

Cybersecurity Extracurricular Mentor

extracurricular activities that were formed since September 2024 with the aim of preparing students for the LKS (Lomba Kompetensi Siswa) in cybersecurity.

- Mentored ~20 students in cybersecurity concepts, preparing them for LKS competitions.
- Delivered 10+ workshops, increasing participants' practical knowledge of cybersecurity challenges

State Polytechnic of Malang - Indonesia

Dec 2023 - Present

Penetration Tester

Independent cybersecurity research to identifying vulnerabilities on State Polytechnic of Malang Systems.

- Conducted 2 comprehensive security assessments, identifying and resolving 2 critical vulnerabilities, reducing system exploit risk by 70%.
- Provided 5+ actionable recommendations, improving system resilience by 50%.

PT RetGoo Sentris Informa - Malang, Indonesia

Mar 2021 - Dec 2021

Quality Assurance Intern

PT Retgoo Sentris Informa is an Indonesian company specializing in the development of integrated ERP (Enterprise Resource Planning) and BPM (Business Process Management) services.

- Designed and executed 15+ testing scenarios, increasing application robustness by 30% and reducing bug reports in production by 20%.
- Documented 100+ test results, creating a detailed testing scenario repository that accelerated bug resolution by 25%.

Organisational Experience

Workshop Riset Informatika - Malang, Indonesia

Oct 2022 - Present

Member

Workshop Riset Informatika (WRI) is an organization in State Polytechnic of Malang engaged in the IT field. WRI focuses on developing hard skills which are divided into several sub-divisions, namely mobile development, web development, game development, and UI/UX design.

- Speaker at Brain Boost Capture The Flag 2024, engaging ~30 participants.
- Collaborated with team members as an interviewer in a new member recruitment event for approximately 100 students.

Skills, Achievements & Other Experience

- Achievements** 🏆 (2024): Awarded 'Best Defender' among 50+ participants at Gemastik XVII Cyber Security competition
- Achievements** 🏆 (2024): Discovered and mitigated 2 critical vulnerabilities in Polinema Systems, preventing potential data breaches and safeguarding 1,000+ user accounts.
- Achievements** 🏆 (2023): 2nd Place Intercomp'23 Cyber Security
- Achievements** 🏆 (2023): Finalist KMIPN V Cyber Security
- Hard Skills** 🛠️ (2024): Ethical Hacker Cisco Academy - Conducted penetration testing on web applications for the final capstone project, identifying vulnerabilities such as SQL Injection, Directory Listing, SMB Share Misconfiguration, and Lack of Encryption, and reducing potential security risks by 60% through comprehensive documentation and actionable recommendations.
- Hard Skills** 🛠️ (2024): Junior Cybersecurity Analyst Career Path Cisco Academy - Acquired hands-on skills in threat analysis, incident response, and vulnerability assessment, improving problem resolution capabilities by 40%.
- Hard Skills** 🛠️ (2024): Network Defense Cisco Academy - Gained hands-on experience in implementing firewalls, intrusion detection

systems (IDS), and intrusion prevention systems (IPS) to secure network infrastructure, reducing potential attack vectors by 40%.

- **Hard Skills** 📌 (2024): Networking Basics Cisco Academy - Completed foundational training in networking concepts, gaining a comprehensive understanding of how networks function and communicate.
- **Hard Skills** 📌 (2024): Networking Devices and Initial Configuration Cisco Academy - Gained hands-on experience in setting up network infrastructure, improving initial deployment efficiency by 30%.
- **Hard Skills** 📌 (2024): Introduction to Cybersecurity Cisco Academy - Developed skills in identifying and mitigating common cyber threats, such as phishing, malware, and social engineering attacks, reducing vulnerability awareness gaps by 40%.