



RAIHAN NUR RAMADHAN SUNDANA

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Antapani, Bandung, West Java, Indonesia

Fresh graduate in Computer Engineering from Telkom University with internship experience as a Full Stack Developer at PDAM Tirta Raharja. Developed and maintained the EGRC web application using PHP, JavaScript, and SQL, resolving more than 50 frontend and backend bugs. Familiar with Python, Linux, MySQL, Git, troubleshooting, and basic computer networking. Academic project experience includes malware behavior analysis and data preprocessing using Cuckoo3 Sandbox in an air-gapped environment.

Work Experiences

Perumda Air Minum Tirta Raharja - Cimahi, Indonesia

Jun 2025 - Sep 2025

Full Stack Developer Intern

- Developed and maintained the EGRC (Enterprise Governance, Risk and Compliance) web application using PHP, JavaScript, and SQL
- Analyzed, debugged, and resolved 50+ bugs across frontend and backend modules, improving system stability and user experience
- Collaborated with cross-functional teams to gather requirements and implement feature improvements for internal clients
- Participated in code reviews and documentation to maintain code quality and ensure smooth handoff

Education Level

Telkom University - Bandung

Sep 2022 - Jul 2026

Bachelor of Computer Engineering, 3.38/4.00

- Author & Presenter at IEEE EECSE 2026 for the paper “Automated Construction of Malware Behavior Datasets Using Cuckoo3 Sandbox in an Air-Gap Environment.”
- Capstone Design: “Malware Family Classification Using Machine Learning in Air-Gapped Environments.”
- Active Member & Logistics Coordinator, Telkom University Badminton Club (TUBC), 2022–2026.
- Completed Study Group at i-SMILE Laboratory (Intelligent System and Machine Learning), Nov–Dec 2023.

Organisational Experience

Telkom University Badminton Club (TUBC) - Bandung, Indonesia

Sep 2022 - Jul 2026

Active Member & Logistics Coordinator

Student activity unit at Telkom University focused on badminton activities, organizational development, and campus community engagement.

- Participated as an active member before taking on logistics coordination responsibilities.
- Managed equipment, venue permits, attendance records, and operational requirements for organizational activities.
- Coordinated logistics for TUBC Open Recruitment 2024 and Training Camp 2024.
- Managed logistics budgets and maintained expenditure records.
- Collaborated with committees and members to support smooth event operations.

Skills, Achievements & Other Experience

- **Soft Skills:** Problem-Solving, Team Collaboration, Communication, Team Coordination, Time Management, Adaptability
- **Hard Skills:** Python, PHP, JavaScript, SQL, MySQL, HTML, CSS, CodeIgniter, Full-Stack Web Development, Git, Linux, Troubleshooting, Debugging, Computer Networking, Cybersecurity, Malware Analysis, Cuckoo3 Sandbox, DevSecOps, Data Preprocessing, Machine Learning
- **Languages** : Indonesian (Native), English (Intermediate)
- **Malware Family Classification Using Machine Learning in Air-Gapped Environments** (2026): Built AirMalysis, a Windows PE malware classification system using Cuckoo3 Sandbox and XGBoost in an air-gapped environment, focusing on dynamic malware analysis and machine learning-based classification.
- **EECSI 2026 Author & Presenter** (2026): Authored and presented the paper “Automated Construction of Malware Behavior Datasets Using Cuckoo3 Sandbox in an Air-Gap Environment.”
- **i-SMILE Lab Certification** (2023): Study Group i-SMILE Laboratory (Intelligent System and Machine Learning), Telkom University. November–December 2023
- **Telkom University Badminton Club Certification** (2024): Certificate of Appreciation Logistics Coordinator, Open Recruitment & Training Camp Telkom University Badminton Club (TUBC) 2024