# FAKHRI RIZAL

**Cybersecurity Engineer | Threat Detection & Network Security**

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## SUMMARY

Cybersecurity Engineering student specializing in threat detection, Machine Learning, SOC infrastructure, and Zero Trust architecture. Hands-on experience building end-to-end detection pipelines using Suricata, Wazuh, and MikroTik, alongside red-team testing and automation. Proven ability to lead technical teams in designing and deploying production-ready security stacks.

## PROJECTS & LEADERSHIP

**Team Lead — SAWIT (Security Analysis Watch Intelligence Threat) • Politeknik Negeri Batam**

- Designed a hybrid access model utilizing OpenZiti for M2M and Tailscale for H2M traffic, enforcing strict VLAN isolation via MikroTik.
- Deployed Suricata IDS/IPS in inline mode, tuned custom rules to suppress noise, and routed telemetry to a Grafana Dashboard.
- Built a Python Flask API to pipe custom UEBA/ML anomaly alerts into Grafana with local GeoIP caching to prevent rate limits.
- Integrated custom APIs linking SIEM alerts directly to MikroTik firewalls for instant, automated network segment isolation.

**Team Lead — SENTRI (Secure Encrypted Networking) • Politeknik Negeri Batam**

- Led a 3-person team developing an encrypted chat application to secure cross-network textual communication.

## EDUCATION

**Bachelor of Applied Science (D4) in Cybersecurity Engineering** — 2024 - Present (Expected 2028)
Politeknik Negeri Batam

## ADDITIONAL INFORMATION

- **Technical Skills:** Security & Detection, Networking, Machine Learning, Development & Tools
- **Languages:** Indonesia (Native) & English (Conversational)
- **Certifications:** Red Hat OpenShift Development I (Red Hat), Cyber Threat Management (Cisco), Cybersecurity Essentials (Cisco)
- **Awards/Activities:**
  - 1st Place Winner — Networking & Cybersecurity Category, International PBL Expo (2026)
  - 3rd Place — IT Network System Administration, LKS Provincial Riau (Aug 2023)
  - 1st Place — IT Network System Administration, LKS Regency Kampar (Jul 2023)