

RIDHO REZKY ANWAR

Software Engineer | Cloud & Gen AI Enthusiast | Cybersecurity Fundamentals

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SUMMARY

Software Engineer with strong interests in Cloud, Generative AI, and Cybersecurity fundamentals. Experienced in shipping full-stack web applications with Next.js, TypeScript, and Tailwind CSS, and in building ML workflows with Python and TensorFlow. Certified across 13 programs spanning AI, Cloud, Cybersecurity, and Web Development. Passionate about building security tooling that turns complex concepts into practical, user-friendly products.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, PHP, HTML5, CSS3, SQL

Frameworks & Libraries: Next.js 15, React, Node.js, Tailwind CSS, Vercel AI SDK, TensorFlow, Scikit-learn, Streamlit

Cybersecurity: Log analysis, IoC extraction, cryptographic hashing (SHA family), password entropy analysis, HTTP security headers, threat intelligence reporting

AI / ML: Large Language Models (Llama 3 via Groq), CNN image classification, NLP sentiment analysis, KMeans, PCA, Decision Trees

Databases: MySQL

Tools & Platforms: Git, GitHub, Vercel, Streamlit Cloud, VS Code, Linux CLI

PROJECTS

Sentinel Log Analyzer | <https://github.com/ridhorezkyanwar/sentinel-log-analyzer> | Next.js, TypeScript, Vercel AI SDK, Groq (Llama 3)

- Built an AI-powered security log analyzer that detects threats and extracts Indicators of Compromise (IoCs) from raw logs in real time.
- Integrated Groq LLM inference to generate executive-level threat intelligence reports with server-side streaming on Vercel.

Password Entropy Visualizer | <https://github.com/ridhorezkyanwar/password-entropy-visualizer> | Next.js 15, TypeScript, Tailwind CSS

- Implemented real-time password strength analysis using Shannon entropy, pattern detection, and crack-time estimation with actionable recommendations.

Hash Explorer | <https://github.com/ridhorezkyanwar/hash-explorer> | Next.js 15, TypeScript, Tailwind CSS

- Developed a cryptographic hash visualizer for SHA-1/256/384/512 with a live diff view that demonstrates the avalanche effect at bit level.

Security Headers Analyzer | <https://github.com/ridhorezkyanwar/security-headers-analyzer> | Next.js, TypeScript, Tailwind CSS

- Built a scanner that grades HTTP response headers (CSP, HSTS, X-Frame-Options, Referrer-Policy) and produces remediation guidance.

Sign Language Classification | <https://github.com/ridhorezkyanwar/sign-language-classification> | Python, TensorFlow, Streamlit

- Trained a CNN on Sign MNIST for ASL alphabet recognition and exported to SavedModel, TensorFlow.js and TFLite; deployed a Streamlit demo.

Sysmon CLI | <https://github.com/ridhorezkyanwar/sysmon-cli> | Python

- Lightweight CLI to monitor CPU, RAM and disk utilization in real time.

ADDITIONAL PROJECTS

ShadowSix LMS - PHP/MySQL LMS with 13+ subjects, auth and admin dashboard. **Transaction Fraud Clustering** - KMeans, PCA and Decision Tree classifiers for fraud detection. **SentimenNL** - NLP sentiment analysis pipeline for Indonesian Shopee reviews.

LICENSES & CERTIFICATIONS

Dicoding Indonesia (2026): Prompt Engineering untuk Software Developer; Belajar Machine Learning untuk Pemula; Belajar Prinsip Pemrograman SOLID; Memulai Pemrograman dengan Python; Belajar Membuat Front-End Web untuk Pemula; Spec-Driven Development dengan Kiro; Dasar Pemrograman JavaScript; Dasar Cloud dan Gen AI di AWS; Dasar Pemrograman Web; Dasar AI.

Google (2026): Automate Cybersecurity Tasks with Python (ID: 4D6MVPI0CSID).

Cisco (2026): Introduction to Cybersecurity.

Codepolitan (2026): Revolusi Deployment - Bangun Website dengan AI Assist dan Deploy Instan Secure di EdgeOne (ID: KIH82MF).

EDUCATION

SMKN 6 Jakarta

Rekayasa Perangkat Lunak (Software Engineering) - Jakarta, Indonesia