

MUHAMMAD SAIFUL IQBAL ABDUL RANI

Computer Science Undergraduate | Software Engineering & Cybersecurity

Kluang, Johor, Malaysia | +60 17-787 7958
saifuliqbal1254a@gmail.com | linkedin.com/in/saiful-iqbal12

PROFILE

Computer Science (Netcentric Computing) undergraduate at Universiti Teknologi MARA (CGPA 3.74) and the founder of Team ChendAwan Ventures, a student software team delivering production systems for government and corporate clients. Experienced across the full development lifecycle, from requirements and system design to secure deployment and client handover. Combines strong full-stack engineering with a security-first mindset, backed by red team, threat intelligence and LLM security certifications and national capture-the-flag experience. Seeking a software engineering or cybersecurity internship to contribute to secure, reliable systems while continuing to grow as an engineer.

Key Highlights

- Lead developer of **HRSB ONE**, an enterprise HR, attendance and payroll platform for HRSB Holdings Sdn Bhd.
- Built **JohorSTEMHub.com**, a statewide platform for the Johor State Education Department.
- Solo-built **VERITAS**, a live multi-tenant web vulnerability assessment platform and Final Year Project.
- **1st Runner-Up**, National TAMiNG iCTF8 Hacking Competition (2026).
- **10 security and technical certifications**, including CRTOM, CTIGA, CLLMSP and CLLMSE.

CORE COMPETENCIES

Engineering	Security	Delivery
Full-stack web development	Secure software design	Project management
System architecture	Penetration testing	Client and stakeholder management
API design and integration	Vulnerability assessment	Requirements analysis
Cloud and container deployment	Threat intelligence	Technical reporting and presentation

EDUCATION

Bachelor of Computer Science (Hons.) Netcentric Computing **2025 – 2027 (Expected)**

Universiti Teknologi MARA (UiTM), Melaka (Jasin)

- **CGPA:** 3.74
- **Final Year Project:** *VERITAS: Web Vulnerability Evaluation and Real-Time Intelligence Through Automated Solution*
- **Relevant areas:** network security, web application security, distributed systems, mobile programming, software engineering

Diploma in Computer Science **2022 – 2025**

Universiti Teknologi MARA (UiTM), Johor (Segamat)

- **CGPA:** 3.42
- **Industrial training:** ICT Intern, Johor State Education Department (JPNJ)

PROFESSIONAL EXPERIENCE

Founder & Lead Developer | Team ChendAwan Ventures **Jan 2025 – Present**

Founded and lead a student software team that designs, builds and delivers production web and mobile systems for government and corporate clients.

- Lead client engagements from requirements gathering and system design through development, deployment and handover.
- Direct the technical team, set the architecture and review delivery for each client project.
- Apply security from development through production, including Cloudflare proxies, SSL/TLS and role-based access control.
- Build internal tools that automate client workflows and reduce manual effort.

HRSB ONE — HR, Attendance and Payroll Platform (Client: HRSB Holdings Sdn Bhd)

- **Role:** Lead developer and project manager for an enterprise platform serving a multi-company corporate group, covering staff, attendance, leave, claims, overtime, payroll, finance, projects, assets, licences, tickets, training and HSEQ in one Laravel application of 15+ modules.
- **Statutory payroll:** Built a payroll engine producing EPF, SOCSO, EIS, PCB/LHDN (EA form and PCB2) and zakat outputs, year-to-date figures and Maybank M2E bank payment files.
- **Biometric attendance:** Integrated WDMS clock devices with incremental punch sync, PIN-to-staff mapping, shift and overnight calculation, and automatic alerts when a device stops reporting.
- **Approval workflows:** Designed an Energy Cost Control overtime process with monthly planning, daily requests, delegation and a Requestor, PM/HOD, HBU and VP approval chain, writing approved hours straight into payroll.
- **Security:** Enforced role-based permissions across menus and actions, with session login for the web app and JWT authentication for the mobile API.
- **Operations:** Ran long payroll and attendance jobs on dedicated Redis queue workers, split schedulers by responsibility, and covered payroll, attendance, leave and claims logic with PHPUnit tests.

Tech stack: *PHP 8.1, Laravel 9, MySQL, Redis, Docker Compose, Nginx, AWS S3, Firebase Cloud Messaging, JWT*

JohorSTEMHub.com — Statewide STEM Platform (Client: Johor State Education Department, JPNJ)

- **Role:** Lead architect and project manager for a centralized statewide platform for the Johor State Education Department.
- **Scale:** Built the system to handle high-concurrency traffic and complex education datasets across the state.
- **Reliability:** Managed government stakeholders and resolved ISP infrastructure bottlenecks to sustain 99% portal uptime.
- **Security:** Protected user data from development through production with Cloudflare proxies and SSL/TLS.

Tech stack: *Laravel, PHP, MySQL, Cloudflare*

ICT Intern | Johor State Education Department (JPNJ) **Oct 2024 – Feb 2025**

- **System development:** Built and deployed the Smart Office Staff Movement Tracker, replacing manual logging for hundreds of department staff.
- **Process improvement:** Digitized redundant manual workflows, improving data accuracy and reporting speed.
- **Infrastructure support:** Maintained ICT infrastructure for the Learning Sector by diagnosing and resolving network and hardware faults.
- **Communication:** Presented technical briefings and progress reports to senior management.

PROJECTS

VERITAS: Web Vulnerability Assessment Platform | Final Year Project, solo **scanwithveritas.tech**

- **Overview:** Designed and built end to end a live, multi-tenant workspace where organizations test web applications they own and receive evidence-backed findings.
- **Scope control:** Required DNS TXT ownership verification before any scan, so only targets a customer has proven they own can be tested.
- **Scan engine:** Built an asynchronous Celery pipeline (about 11,000 lines of Python) that crawls targets, supports authenticated scanning, and tests inputs with payloads from a 210,845-entry corpus across 65 categories mapped to OWASP Top 10 2025.
- **Trustworthy results:** Confirmed each finding deterministically against a baseline response. Language models suggest analysis and payload variants but cannot change finding counts, severity or evidence.
- **Team workspaces:** Implemented organizations with owner, admin, analyst, developer and viewer roles, invitations, MFA step-up and a remediation ticket list.
- **Platform security:** Applied Postgres row-level security, HMAC-signed internal requests and a separate Super Admin console with a tamper-evident audit chain.
- **Reporting and billing:** Generated technical, executive and advanced reports as PDF, Markdown and JSON, with Stripe checkout and plan quotas.

Tech stack: *Next.js 15, TypeScript, FastAPI, Python, Celery, Redis, Supabase (PostgreSQL), Stripe, Docker, Nginx, pytest*

RoadSense: Crowdsourced Road Hazard Reporting | Team of 4

- **Overview:** Co-developed an Android app that lets drivers report and track road hazards such as potholes, flooding and debris.
- **Reporting:** Built a 5-step reporting wizard with hazard type, photo evidence, GPS location and upload progress.
- **AI risk scoring:** Used a Firebase Cloud Function with Gemini to score each report's risk level, with push notifications when scoring or status changes.
- **Maps and verification:** Delivered a clustered live hazard map, community confirmation, and 150 m arrival prompts asking nearby drivers whether a hazard is still there.
- **Admin dashboard:** Supported a companion Next.js dashboard for report management, analytics and CSV export.

Tech stack: *Java, Android SDK, Firebase Auth and Firestore, Cloud Functions, Gemini API, Google Maps, Cloudinary, Next.js*

Projek Dengkis: Web Security Assessment CLI

- **Overview:** Developed a modular command-line engine for authorized web security assessments and penetration testing.
- **Safeguards:** Required an explicit authorization flag before any active testing.
- **Coverage:** Automated endpoint discovery, context-aware payload injection, business-logic probes and evidence-based verification of results.
- **Reporting:** Produced HTML, JSON and Markdown reports and documented the architecture and Kali Linux workflow.

Tech stack: *Python, Docker, Kali Linux*

SAJATECH: Network Topology and Security Simulator | Team project

- **Overview:** Built an interactive simulator of a 32-device faculty network design for a network technology course project.
- **Simulation:** Developed a ping simulator that tests VLAN segmentation and guest-isolation rules across the topology.
- **AI copilot:** Integrated a server-side assistant that explains VLAN, ACL and packet-path decisions, keeping the API key off the client.

Tech stack: *Next.js, TypeScript, React*

PCS.MY: E-commerce Ordering Platform

- **Overview:** Built an online ordering and checkout platform with an admin panel, promotions, order emails and PDF invoices.
- **Payments:** Integrated the ToyyibPay payment gateway with callbacks and gateway-fee handling.
- **Security:** Applied CSRF protection, rate limiting, secure session cookies, security headers and PDO prepared statements.

Tech stack: *PHP, MySQL, ToyyibPay, PHPMailer, Dompdf*

Other Projects

- **EcoPulse:** IoT plant-monitoring dashboard for an ESP32 sensor node over MQTT with secure WebSockets.
- **Veritas Payloads:** structured 210,845-payload dataset mapped to OWASP Top 10 2025, with an interactive dashboard.
- **BQR.PRO:** offline-capable QR code generator PWA with SVG sanitization and CI deployment.
- **NeuroQuiz:** adaptive, bilingual quiz platform with a research-based difficulty algorithm and 1,000+ questions.
- **BudiMadani:** Android fuel-subsidy calculator using live prices from the data.gov.my open data API.
- **DengkisExiftools:** Telegram bot for EXIF extraction and lightweight file forensics.

CERTIFICATIONS

Certification	Issuer	Date
Certified LLM Security Expert (CLLMSE)	Red Team Leaders	Nov 2026
Certified LLM Security Professional (CLLMSP)	Red Team Leaders	Jun 2026
Certified Threat Intelligence & Governance Analyst (CTIGA)	Red Team Leaders	Feb 2026
Certified Red Team Operations Management (CRTOM)	Red Team Leaders	Feb 2026
Certified C++ Practitioner (CCPC)	Red Team Leaders	Feb 2026
Certified Cybersecurity Educator Professional (CCEP)	Red Team Leaders	Jan 2026
CCNA: Introduction to Networks	Cisco Networking Academy	Aug 2025
Introduction to Critical Infrastructure Protection (ICIP)	OPSWAT Academy	Aug 2025
Ethical Hacker	Cisco Networking Academy	Jul 2025
Web Server Management	Tenang Komuniti	Jun 2024

COMPETITIONS AND AWARDS

Awards

- **1st Runner-Up**, National TAMiNG iCTF8 Hacking Competition (2026)
- **Winner**, UiTM Ideathon Environment Pitching Competition (2026)
- **Best Contributor Award**, Gerakan Mahasiswa Jauhar (GERMAJ) (2025)

Capture-the-Flag and Programming Competitions

- OWASP KL CTF (2026)
- Re:Hack CTF (2026)
- NadiXMCMC CTF (2026)
- IHack UiTM CTF (2026)
- ProSolve Competitive Programming, UiTM (2026)
- rAKSASA CTF (2023)

LEADERSHIP AND ACTIVITIES

- **Program Director**, Ekspo Kelab dan Persatuan (ESKEP) (2026)
- **Exco Multimedia**, Gerakan Mahasiswa Jauhar (GERMAJ) (2024)
- **Grant Holder**, Duta Jauhar, Program Pemerkasaan Menara Gading (2024)
- **Student Leader Council**, UiTM Orientation Day (2023)
- **Audit Committee**, Campus Elections (2023)
- **Participant**, University Leadership Engagement Institute Dato' Onn (2023)

TECHNICAL SKILLS

Programming Languages: Python, TypeScript/JavaScript, PHP, Java, C++, SQL

Web and Backend: Laravel, Next.js, FastAPI, Celery, Redis, Supabase/PostgreSQL, MySQL, REST APIs, Blade

Mobile: Android (Java), Firebase Auth and Firestore, Firebase Cloud Messaging, Google Maps SDK

Security: Web application assessment (OWASP Top 10), penetration testing (Kali Linux), vulnerability assessment, threat intelligence, red team operations, LLM security, MFA, role-based access control, row-level security, JWT authentication

Cloud and DevOps: Docker and Docker Compose, Nginx, Cloudflare (proxy, SSL/TLS), AWS S3, Firebase, GitHub Actions, Hostinger and GitHub Pages deployment

Networking and IoT: VLAN and ACL design, CCNA fundamentals, DNS, MQTT, ESP32

Integrations: Stripe, ToyyibPay, Maybank M2E payment files, webhooks, Google Search Console

Testing: PHPUnit, pytest

LANGUAGES

Malay (native) | English (fluent) | Arabic (basic)

REFERENCES

Available upon request.