

Yousef Mohammed Salah

Full-Stack Software & AI Security Engineer · 3x Hackathon Winner

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EDUCATION

Horus University — B.S. in Artificial Intelligence & Cybersecurity

2024 – 2028

Level 3 · Faculty of Artificial Intelligence · New Damietta, Egypt

AWARDS & COMPETITIONS

- 2nd Place Winner — [Hackathon Egypt 4.0 by GDG Delta](#), competing among 122 teams and 600+ developers nationwide. Feb 2026
- 3rd Place Winner — [LUXSAI AI Hackathon](#), Luxor University & Ministry of Higher Education. Mar 2026
- 3rd Place Winner — [1st National Forum for Sustainable Innovation](#), Tanta University, across 20+ universities. Aug 2025
- ECPC 2026 Contestant — Egyptian Collegiate Programming Contest qualifications. Aug 2026
- 3x Excellence Honors — Faculty of Artificial Intelligence, Horus University. 2025 – 2026

CERTIFICATIONS & TRAINING

- NVIDIA DLI Certificate of Competency — [Building RAG Agents with LLMs](#). Aug 2026
- Information Technology Institute (ITI) — Machine Learning & AI Engineering, Level 1 completed, Level 2 in progress. Jul 2026 – Present
- AZ Tech Solutions — Personal Branding & SaaS Product Strategy Training. Apr 2026

FEATURED PROJECTS

[Verdict.run](#) — Competitive Programming Workspace & AI Explainer

Jan 2026 – Present

- Engineered a full-stack platform mirroring Codeforces into a modern LeetCode IDE with an integrated Chrome Extension for headless server-side submissions via Playwright and Scraping.
- Built an AI Tutor using Model Context Protocol, Judge0 sandbox testing, and automated MP4 video synthesis with Remotion; drove **120k+ impressions** on launch.

[SAST.tech](#) — Autonomous AI Security & Pentesting Web Platform

Feb 2026 – Present

- Engineered the web platform for an autonomous AI security agent that fetches repositories, detects live vulnerabilities, and fixes them instantly using Playwright and LLM agents.
- Won **2nd Place** at GDG Delta and **3rd Place** at LUXSAI; built the real-time developer web interface for interactive security audits and automated code remediation.

[icpchue.com](#) — Competitive Programming Training Platform & Online Judge

Nov 2025 – Present

- Developed a full-stack judge and training platform featuring 650+ curated problem sets, recorded video solution library, multi-university leaderboards, and 3D gamification.
- Engineered a sandboxed code execution engine with Docker, Node.js, and PostgreSQL that evaluates student submissions in under 1 second with full CPU and memory isolation.

[SpaceWorth.site](#) — Interactive AI Real Estate Valuation Platform

Jul 2026 – Present

- Developed an interactive real estate valuation platform for ITI AI predicting property prices with **90% accuracy** using an ML regression model.
- Built an interactive CAD blueprint canvas and integrated Gemini Vision to automatically parse floor plans and layout dimensions from uploaded PNG images.

[ZeroThreat.xyz](#) — AI Cybersecurity Web Platform & Safe-Browsing Extension

Aug 2025 – Present

- Developed the AI-powered cybersecurity website and browser extension for real-time safe download validation and threat detection.
- Won **3rd Place** at Tanta National Summit against 20+ universities; connected web clients to an AI and YARA malware detection engine with 90% detection rate.

[SWRMZ.tech](#) — Autonomous Swarm AI Security & DDoS Mitigation

2026

- Architected an autonomous swarm of AI security agents that monitors web traffic and server health, automatically triggering Cloudflare DDoS mitigation rules during attacks.

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, C++, SQL, Bash, HTML5, CSS3

AI & Security: RAG Systems, AI Agents, Model Context Protocol, Vector DBs, FAISS, PyTorch, LightGBM, CatBoost, Playwright, Puppeteer, YARA Protocol

Web & Backend: Next.js, React, Node.js, Express, Tailwind CSS, TanStack Router and Query, Vite, REST APIs, WebSockets

Cloud, DBs & DevOps: PostgreSQL, Redis, Supabase, Docker, Linux, Railway, Git, GitHub, CI/CD, Judge0, Qualys A+ SSL

LEADERSHIP & COMMUNITY

- Co-Founder & Web Lead, [ICPC HUE](#) — Co-founded Horus University's first competitive programming community from scratch; led web platform development, media, and event organization, training 300+ students and qualifying 8 teams for ECPC 2026.
- Founder, [The 01 Studio](#) — Telegram developer studio building real-time market analytics bots and mini-apps including GiftsCharts and CollectibleKIT, serving 2,500+ active users across 500+ groups.
- Tech Creator, [LinkedIn](#) — Author engineering breakdowns and product launch case studies, generating **170,000+ impressions** across developers.