

Youssef Ahmed Abdelfatah

Cairo, Egypt | +20 120 260 6744
hello@usfahmed.dev | [Portfolio](#) | [LinkedIn](#) | [GitHub](#)

SUMMARY

Computer Science and Engineering student at GUC and backend engineer specializing in secure system design, with active independent security research (HackerOne) across enterprise programs and applied machine learning experience. Founder and developer of GUC Swap, a full-stack platform for GUC students to exchange groups & tutorials.

EDUCATION

German University in Cairo (GUC)

B.Sc. Computer Science and Engineering (CSEN) — 2nd Year

Cairo, Egypt

Expected Graduation: 2030

- GPA: 0.95 (German Scale)

EXPERIENCE

HackerOne

Bug Hunter

2026 – Present

Remote, Part-time

- Discovered high and critical vulnerabilities like RCE, domain takeover, and top-tier corporate asset account takeover in enterprise companies including Henkel, Vanguard, and Prism.

GUC Swap

Founder & Developer

2026 – Present

Cairo, Egypt

- Built a full-stack student platform for groups & tutorials exchanges, featuring a custom graph-based DFS algorithm to resolve complex multi-way swaps.
- Engineered a highly resilient, security-first architecture integrating Redis rate-limiting, 2FA, and device fingerprinting.

PROJECTS

AI Text Detector

- Trained a logistic regression classifier on handcrafted NLP features across ~300K samples to detect AI-generated text, achieving 94.9% test accuracy at a log loss of 0.1386; deployed as a low-latency Cloudflare Worker.

DefendX | Self-Hosted WAF / SIEM / IDS

- Built a self-hosted web application firewall, intrusion detection, and log-monitoring system as an open-source alternative to commercial SIEM tools.

Shrinko | URL Shortener

- Built a lightweight, privacy-focused URL shortening service on Cloudflare Workers and Supabase, avoiding third-party tracking common in mainstream shorteners.

TECHNICAL SKILLS

Languages: Java, Python, C++

Backend & Infra: Hono, Cloudflare Workers, PostgreSQL, Redis

CERTIFICATIONS

- Cisco Networking Academy – [Ethical Hacker](#)
- DeepLearning.AI & Stanford – [Machine Learning Specialization](#)
- Stanford University – [Cryptography I](#)