

Hamza Gougasse

Cybersecurity Student @ UM6P

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PROFILE

I combine a competitive programming background with a focus on offensive security and web exploitation. My strength lies in applying algorithmic logic to analyze complex attack surfaces and design efficient, automated security solutions using Python and Bash. Beyond theory, I validate vulnerabilities through hands-on CTFs and technical research. Experienced in leadership through tutoring, I am seeking a 3-to 4 month cybersecurity internship focused where I can apply rigorous problem-solving to real-world challenges.

EDUCATION

College Of Computing: State Engineer Computer Science - Cybersecurity, Mohammed VI Polytechnic University 09/2023 – Present | Morocco

SKILLS

Offensive Security

- Web security, Burpsuite, Nmap, Wireshark

Linux / Scripting

- **Linux** environment & **Bash** scripting
- **Python** for security automation

Programming:

- Comfortable in C++, Java, React
- RDBMS, SQL, git, Docker

Cryptography

Advanced Cryptography Attack Schemes

PROFESSIONAL EXPERIENCE

Teacher & Web Developer, U-mentor 2024 – Present | Rabat

- Taught mathematics to 200+ students.
- Built a secure platform using **Next.js 15**, **TypeScript**, and **Supabase (RLS)** with **Framer Motion**.

Full Stack developer Intern, Tawjeeh-Sup 07/2025 – 08/2025 | Marrakesh

Delivered a fully functional educational platform using Vue.js and Firebase, streamlining access to learning resources for students.

PROJECTS

Gofuzz, Blockchain Fuzzer 01/2026 – Present

- Built a coverage-guided smart contract fuzzer in Go that deploys contracts to a local EVM, generates ABI-aware mutated inputs, and detects vulnerabilities (reentrancy, integer overflow, access control) through pluggable oracle modules with parallel fuzzing workers.

Kirby - AI driven vulnerability scanner 10/2025 – Present

- Automated security assessments by building an AI-driven vulnerability scanner in Python, where an LLM agent autonomously generates, executes, and interprets security command

ACHIEVEMENTS

ACPC 2025 Finalist 12/2025 | Luxor, Egypt

Selected as one of Morocco's top collegiate programmers to compete at the ACPC in Egypt.

Cipher Challenge 2025 Gold Medalist 04/2025 | Rabat, Morocco

Gold Medalist in UM6P's Cryptography Competition among 100+ students.

Silver Medal IDEH Cybersecurity CTF 01/2026 | Rabat, Morocco

Won Second Place at the Cybersecurity CTF organised by INPT at the international Days of Ethical Hacking

International CTF Participations

24th / 1500 in UOFTCTF, 34th / 500 In ASIS CTF, two times first in morocco

LANGUAGES

French ● ● ● ● ● English ● ● ● ● ●

Arabic ● ● ● ● ●