

Kürşat Akıncı

Çankaya/Ankara, Turkey

kursataknc06@gmail.com

LinkedIn/kursatakinci

GitHub/kursataknc

kursataknc.dev

+90 533 303 46 35

EDUCATION

- **Middle East Technical University** *February 2026*
B.Sc. in Mathematics Ankara, Turkey
 - **Cryptography:** Analyzed cryptographic foundations using number theory to bridge pure math with secure-by-design system implementations.
 - **Algorithms and Data Structures** – **Optimization**
 - **Probability Theory** – **Number Theory**

EXPERIENCE

- **Freelance** *July 2024 – Present*
Freelance Linux & Security Administrator Remote
 - Architected production-grade self-hosted infrastructures with full-disk encryption, SSH key-only authentication, and non-root service runtime.
 - Engineered network defenses leveraging Cloudflare's edge protection, automated SSL orchestration (Caddy/Nginx), and proactive host hardening via UFW and Fail2Ban.
 - Conducted Nmap and Metasploit assessments to identify and mitigate configuration vulnerabilities across production-level endpoints.
- **METU Mathematics Club** *March 2020 – September 2024*
Technical Operation Coordinator Ankara, Turkey
 - Maintained the club's technical infrastructure, focusing on website security and digital tools supporting workshops and online events.

PROJECTS & ACTIVITIES

- **kursataknc.dev & Engineering Lab** *Active*
Self-Hosted Security Engineering Showcase kursataknc.dev
 - Performed STRIDE-based threat modeling to mitigate attack vectors across modular web architectures and API boundaries.
 - Engineered a hardened API pipeline featuring per-request CSP nonces, CSRF double-submit patterns, and salted daily SHA-256 IP hashing for PII redaction.
 - Built a privacy-first "WhoAmI" dashboard utilizing canvas/audio fingerprinting and WebRTC leak probes to demonstrate browser tracking vectors.
 - Enforced zero-trust validation using Zod schemas at every trust boundary to ensure build-time and runtime integrity of system state.
- **DotFiles Project** Repository
Reproducible macOS Development Environment
 - Engineered a version-controlled development ecosystem utilizing GNU Stow and custom shell scripting to ensure configuration integrity.
 - Optimized terminal-based system monitoring with patched Tmux plugins for real-time network telemetry and host-level observability.

CERTIFICATIONS

- **CyberStart 2.0 Cyber Security Bootcamp** *April 2026*
Kodluyoruz & IBM Remote
 - Acquired foundational knowledge in threat analysis, the CIA triad, and defensive controls.
- **AI4Future Artificial Intelligence Bootcamp** *April 2026*
Kodluyoruz & IBM Remote
 - Developed a foundation in AI and machine learning, with practical exposure to LLMs and RAG architectures.

SKILLS & INTERESTS

- **Security Eng:** STRIDE Modeling, PII Redaction (Salted Hashing), CSP Nonces, CSRF, HSTS/COOP/CORP
- **Systems & Infrastructure:** Linux, Docker, Caddy, VPS Hardening, Cloudflare, CI/CD Security, SSH
- **Security Tools:** Wireshark, Nmap, Metasploitable (lab environments)
- **Programming:** Python, TypeScript, JavaScript, Bash, Nushell
- **Developer Tooling:** Neovim, Tmux, GNU Stow, Shell Configuration, GitHub Actions
- **Language:** English (C1)