ALI BEDIRHAN AKSOY

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PROFILE

Computer Engineering student focused on IT systems and cybersecurity fundamentals, with hands-on experience across Linux-based environments, system troubleshooting, networking basics, and applied technical projects. Strong interest in infrastructure, operating systems, and security-oriented problem solving.

EDUCATION

MEF University — BSc Computer Engineering (English)

2024 – 2028

TECHNICAL SKILLS

Operating Systems: Linux (Arch, Ubuntu, Kali), Windows, macOS

IT & Systems: OS installation and configuration, hardware troubleshooting, driver and update management, permissions

Networking: TCP/IP fundamentals, IP addressing, subnetting

Programming: Python, JavaScript, Kotlin, Java (basic)

Security Tools: Nmap, Metasploit (basic exposure)

Hardware: Custom PC assembly

EXPERIENCE

Technical Support & Systems Assistance (Independent)

- Installed, configured, and maintained Linux, Windows, and macOS systems

- Diagnosed system, driver, and application-level issues

- Provided basic networking and connectivity support

PROJECTS

8-Bit CPU Simulation

- Designed and simulated a basic 8-bit CPU architecture

- Implemented registers, instruction handling, and control logic

Generative Interior Design AI Tool (Concept & Prototype)

- Solo-designed system processing user-uploaded photos or videos

- User-selected themes (materials, plants, fabrics, styles)

- Mapped room geometry and furniture scale to generate redesigned layouts

GenerativeMedia Komünite Hackathon 2026 (Solo Project)
- Independently designed and implemented a generative media concept under time constraints
- Focused on rapid prototyping and system design

Discord Automation Bot — JavaScript
Minecraft Modification — JavaScript
Customer Churn Prediction — Python (Group Project)
Music Player Application — Kotlin (In progress)

TRAINING

SiberVatan Project (Government-Supported Cybersecurity Training)
- Selected via competitive exam, Top 80 in Istanbul

LANGUAGES

Turkish: Native | English: B2–C1 | Japanese: Basic