

Luca-Adrian Mihut

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ABOUT ME

I'm a Computers & Information Technology student with a strong interest in software development, Linux, networking and cloud computing. I enjoy building practical and creative projects, and I'm constantly improving my skills through hands-on experience and personal challenges.

EDUCATION AND TRAINING

2023 – CURRENT Timișoara, Romania
BACHELOR'S DEGREE IN COMPUTER SCIENCE AND INFORMATION TECHNOLOGY Polytechnic University of Timisoara, Faculty of Automation and Computer Science, Computers & IT

Languages: C, Java, Python, PHP, JavaScript
Web: Vue.js
Systems & Networking: Linux, TCP/IP, Sockets, SSH, Firewalls
DevOps & Tools: Docker, Docker Compose, Nginx, Git, VS Code, IntelliJ
Databases: MySQL, SQL

Website <https://ac.upt.ro/> | **Field of study** Information and Communication Technologies

PROJECTS

01/03/2026 – CURRENT
Nextcloud Staff Timekeeping Plugin

Cloud Computing, PHP, Vue.js, Nextcloud

- Developing a Nextcloud plugin to automate faculty timekeeping and administrative workflows.
- Using a PHP engine for timetable parsing and a Vue.js interface for managing teaching activities.
- Generating compliance-ready reports, fully integrated with the Nextcloud API.

01/10/2025 – 01/12/2025
Multi-threaded TCP Chat System

C, POSIX Threads, Sockets, TCP/IP

- Built a concurrent chat server and CLI client.
- Implemented thread-safe message handling using pthreads.
- Designed a custom binary protocol with checksum validation.

Link <https://github.com/lukettoOoO/TCP-client-server-chat-system>

01/02/2026 – CURRENT
Home Lab

Debian Server, Docker, Linux, Networking, Nginx

- Deployed Dockerized services (Nextcloud, Netdata) on a Debian server.
- Configured reverse proxy with HTTPS using Nginx + Cloudflare.
- Implemented firewall rules (UFW) and automated security updates.

Link <https://github.com/lukettoOoO/homelab>

01/03/2025 – 01/06/2025
BetterTown - Smart City Management Platform

Java, Swing, MySQL, Maven

- Developed a desktop application for reporting and managing urban issues, featuring interactive map-based input using OpenStreetMap and reverse geocoding APIs.
- Implemented secure authentication with BCrypt, relational database design in MySQL, and real-time issue tracking with role-based access (user/admin).

Link <https://github.com/lukettoOoO/BetterTown>

Computer Architecture, C, Digital Logic Design, HDL, Assembly, Virtual Machines

- Implemented a full hardware-software stack for a 16-bit computer (from logic gates to the OS), including ALU, CPU, assembler, and VM, as part of the Nand2Tetris course.

Link <https://github.com/lukettoOoO/Nand2tetris>

EXTRACURRICULAR ACTIVITIES

01/03/2026 – 01/10/2026
IA-PracticAC - Student Internship / Practice Program

AI, Cybersecurity, Cloud Computing

- Selected participant in an EU-funded program focused on aligning academic training with industry requirements in AI, cybersecurity, and cloud/edge computing.
- Engaged in structured practical training activities and workshops designed to improve applied skills in modern computing domains.
- Collaborating with faculty and industry-oriented mentors as part of a student-centered professional development initiative.

Link <https://ac.upt.ro/practicac/>

01/10/2025 – 01/02/2026
AI-Assisted Software Development Course

AI-Assisted Software Development Course – Politehnica University of Timișoara
GitHub Copilot, Google AI Studio, Gemini API

- Applied LLMs and prompt engineering for code generation, debugging, and rapid prototyping.
- Built an AI-driven interactive detective game using structured prompting techniques.
- Explored integrating AI tools into full-stack development workflows.

Link <https://github.com/lukettoOoO/Noir>

01/10/2024 – 01/07/2027
Psychopedagogical Training Programme (Level 1)

- Focus on educational psychology, pedagogy, and the methodology of teaching Computer Science and ICT.
- Instructional design, public speaking, educational communication, and classroom management.

Link <https://dppd.upt.ro>

LANGUAGE SKILLS

Mother tongue(s): **ROMANIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	B2	B2	B2	B2
GERMAN	A2	A2	A2	A2	A2