

MARIAN FLAVIUS-ANDREI

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ABOUT ME

I'm a 3rd-year student at the Faculty of Automation and Computer Engineering at UPT Timișoara. I enjoy building things, I've worked on system tools, networked games, hardware simulations, and web apps. I'm curious about a lot of areas: networking, cybersecurity, web, AI, OS development and automotive systems. I don't have one fixed direction yet, but I learn fast and I like diving into new things.

WORK EXPERIENCE

IA-PracticAC (EU-funded Project) | UPT

13 Feb 2026 - Current

Trainee / Program Participant

- Got into a competitive EU-funded program covering AI, Cybersecurity, and Cloud/Edge Computing.
- Attending technical workshops focused on practical industry skills.

PROJECTS

Clarity Gym

02 Mar 2026 - 22 Mar 2026

Academic Project

- Built a full-stack gym management web app using Vue 3, Go, and PostgreSQL.
- Added JWT login, three user roles (client, trainer, admin), and features like subscriptions and profile photo upload.

Link: <https://github.com/FlaviusMarian27/Clarity-Gym.git>

System Monitor

17 Feb 2026 - 22 Feb 2026

Personal Project

- Built a Linux tool in C and Python that tracks CPU and memory usage in real time.
- Added process management and live system stats using /proc and system calls.

Link: <https://github.com/FlaviusMarian27/System-Monitor.git>

TicTacToe Game

8 Feb 2026 - 14 Feb 2026

Personal Project

- Implemented game logic and state management in C++ using OOP.
- Built a terminal interface that handles user input and displays the board.

Link: <https://github.com/FlaviusMarian27/TicTacToe.git>

Exploding Kittens – Simplified Version

16 Oct 2025 - 7 Jan 2026

Academic Project

- Wrote the core game logic and rule system in C.
- Built with a 3-member team, terminal UI with Ncurses and multiplayer over LAN using sockets.

Link: <https://github.com/FlaviusMarian27/ExplodingKittens.git>

8086 Microsystem

10 Oct 2025 - 16 Dec 2025

Academic Project

- Drew the full hardware schematic of an 8086-based microsystem in EasyEDA.
- Wrote low-level routines in x86 Assembly and documented how the hardware and software work together.

Link: <https://github.com/FlaviusMarian27/Microsistem-cu-microprocesor-8086.git>

SystemC ALU

13 Apr 2025 - 7 May 2025

Academic Project

- Built simulation modules for basic arithmetic operations (adder, subtractor, two's complement) in SystemC.
- Handled the final integration in a 4-member team, merging all modules into a working ALU.

Link: <https://github.com/FlaviusMarian27/SystemC-ALU-Modules.git>

EDUCATION

Bachelor's Degree in Software Engineering | UPT

Sep 2023 - Current

Faculty of Automation and Computer Engineering, Timișoara

High School Diploma | C.N.P. "Regina Maria"

Sep 2019 - Jun 2023

Mathematics and Computer Science Profile, Deva

SKILLS

HARD SKILLS

- Languages: C/C++, Java, C#, Python, Assembly (x86), HTML/CSS, JavaScript (Basic), Go (Basic)
- Databases: MySQL, PostgreSQL, MongoDB
- Tools & OS: Linux/Ubuntu, Git, EasyEDA
- Core Tech: Networking, OOP, Hardware Simulation, System Integration

LANGUAGES

- Romanian: Native
- English: Intermediate (B1)
- French: Beginner (A1)