Tudor Mutică

I build AI apps people can use today. Two are live on Azure · available full-time

Bucharest · contact@tudorm.ro · linkedin.com/in/tudor-mutica · github.com/TudorM-Dev

EDUCATION

Politehnica University of Bucharest 2025 – 2029 (expected)
B.Eng., Applied Engineering Sciences, Industrial Informatics (FIIR)

AWARDS

Gold Medal, I-FEST² International Festival of Engineering, Science and Technology, Tunisia 2023
1st Place, InfoEducatie, national olympiad of digital innovation and creation, with SmartifyBot 2024
2nd Place nationally, ONCS (Scientific Creativity Olympiad) and RoSEF, with SmartifyBot 2024

AI PROJECTS

HelpMate · an AI interviewer that asks technical questions and grades your answers 2026
.NET 10, ASP.NET Core, Blazor, EF Core, Anthropic API / Ollama, xUnit, Azure live demo · code

- Pick a role and a level, answer in your own words, and get a score out of ten plus what was missing.
- The AI can't be talked into touching someone else's data: its 3 tools never receive a user id.
- Runs on Claude online and on a free local model offline. Adding the second one took 100 lines.

LexCopilot · an AI legal assistant that answers from your own PDFs, fully offline 2026
C#, .NET, WPF, Ollama, PdfPig code

- Answers questions about a case and cites the article behind every claim. No document leaves the computer.

OTHER PROJECTS

SmartifyBot · a robot arm that spots plastic bottles with a camera and takes voice commands 2023 – 2024
Python (OpenCV, YOLO), C++ (Arduino, Teensy) code

- Built it on my own: firmware on two boards, computer vision and the control panel. Won 3 national awards.

TrackRecord · album ratings that only your friends can see 2026
Node.js 22, TypeScript, Express 5, Prisma, React 19, Azure live demo · code

- Wrote the login system myself, so logging out ends the session at once. Strangers see 4 fields of a profile.

RecordingStudio.BookingEngine · booking for recording studios 2026
.NET 10, ASP.NET Core, EF Core, SignalR, Blazor, xUnit code

- 6 booking rules, checked by 8 unit tests. Every open page sees a new booking the moment it is made.

LEADERSHIP

Robotics Instructor, Ferdinand I National College, Bacău 2024 – present

- Coached the team that reached the FIRST LEGO League Open International Championship Greece 2026.

Team Manager & Software Lead, SmartCluster Robotics (FIRST Tech Challenge), Bacău 2022 – 2023

- Led the robot's Java code and reviewed the programming group's work. The team reached the national finals.

Volunteer Coordinator, Don Bosco Foundation, Bacău 2021 – 2025

- Recruited, scheduled and led volunteer teams for summer camps of 600+ children a year, five years running.

SKILLS

AI: Anthropic API (Claude), Ollama, local LLMs, AI agents with tool calling, RAG, OpenCV, YOLO
Languages: C#, TypeScript, JavaScript, Python, Java, C++, SQL
Building: ASP.NET Core, Node.js, React, Blazor, EF Core, Prisma, REST APIs, Azure, Git
Spoken: Romanian (native), English (Cambridge C1 Advanced, 2025), German and Russian (basic)