PATRICIA MARIA BRAICA
STUDENT

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📍 Satu Mare / Cluj Napoca, Romania

🌐 Github and GitLab repos:
https://github.com/Patriciadah
https://pastebin.com/UtuJW7m2

EDUCATION

Computer Science Student
Technical University of Cluj-Napoca
expected graduation year 2026

LANGUAGE

English C1

German B1

Romanian (Native)

EXPERIENCE IN IT

- I created a Java applications utilizing the JavaFX framework, seamlessly connected to a database using SQL, and enhanced the user interface with CSS(My projects: Order app for a backery simulation, Polynomial Calculator, Queue Management Simulator in real time using multithreading, Order management simulation using Reflection techiques.)
- I successfully implemented a VHDL project on the Nexys 4 board, featuring the display of eight dynamic animations conveying a message, resembling a digital advertisement.
- Through the completion of an SQL course, I acquired the essential skills required for effective database management.
- **Attended domain related competitions**: **CodeRun** competiotion by BEST, in Cluj-Napoca, **WIDS**(Women in Data Science) - predict ADHD in women, on Kagggle.

PROGRAMMING LANGUAGES

C,C++, Java, SQL, VHDL, Assembly x86, Arduino, Haskell, Git Bash, LaTeX, Python, Prolog

ABOUT ME

Organized, results-driven, and experienced in structuring learning programs. Studying in English enhances my understanding of technical terms. Broad knowledge in computer science: software engineering, AI, full-stack development, cybersecurity and more. Strong vision for teamwork and project execution.

MOST RELEVANT COURSES

OOP on Java and C++

I successfully completed an Object-Oriented Programming (OOP) course using Java, which included a mandatory project.

SQL programming

Through the completion of an SQL course, I acquired the essential skills required for effective database management.

Fundamental Algorithms in C

Completing the Fundamental Algorithms and Data Structures in C course set me on the path to efficiency in programming.

Logic Design of Circuits, Assembly, VHDL

Successfully completing the Logic Design of Circuits course has been instrumental in building a strong foundation for my understanding of hardware systems.

AI Technologies in Python

Implemented PDDL-like theorem proving to detect deception in Among Us. Designed AI solutions for Sliding Tile Puzzle and All Lights Out using automated planning. Integrated AI into the Pac-Man framework for decision-making and pathfinding, leveraging adversarial search.