Darius Pop

Computer Science Student
Aspiring Software Engineer

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Second-year CS student at UBB Cluj-Napoca with early experience in web development and software engineering. I have developed and deployed web and desktop applications, covering design, implementation, and deployment. Currently exploring software architecture principles and modern technologies, with a growing focus on AI/ML. Seeking an internship where I can contribute production-quality code and build data-driven features while learning from strong engineering practices.

{} TECHNICAL SKILLS

Programming Languages
Python, C++, JavaScript, PHP

Frameworks & Libraries
React, Next.js, Django, Qt, PyQt, Tailwind, Bootstrap, Selenium

Databases
SQLite, MySQL, SQL Server

Other Tools
Git, Canva, Adobe Illustrator, WordPress, Figma

📁 PERSONAL PROJECTS & VOLUNTEERING

Desktop Application - AddPoster ↗
- Built a cross-platform desktop app to automate posting in Facebook groups
- Implemented a custom license manager (HWID-bound, monthly expiry) to prevent unauthorized use
- Packaged and distributed with PyInstaller for Windows and macOS, with obfuscated code, licensing and auto-update
- **Python, PyQt, Selenium**

Python Application - HotelSimulator ↗
- Built a Python app that implements strong design principles (eg. Layered Architecture)
- Developed a drag-and-drop floor canvas system for editing the hotel structure, and advanced reservation consistency checks
- Added a simulator module to visualize hotel occupancy with color-coded rooms, start-stop timeline, hotel statistics and even a 3D graph
- **Python, PyQt, SQLite**

Full-stack Website Application - Mindify ⧉
- Collabed with two teammates to develop an app called "Mindify" during the ITEC Hackaton ⧉
- Django application that enables users to create "rooms" and collaborate in real time for group learning, while also making use of AI through an API
- **HTML, CSS, Python, Django, Bootstrap, Git**

Full-stack Website - Local Forever Living Products Distribution Team ⧉
- Developed a presentation website with an authentication system, ready for the integration of a video tutorial module accessible only to authorized users
- Collaborated directly with the client on the site's visual design and created key elements of the brand's visual identity, including the team logo
- **HTML, CSS, JavaScript, PHP, Hostinger, Adobe Illustrator**

Participant - CodeRun Cluj-Napoca ⧉
- University-level event focused on programming, web development, and cybersecurity
- Attended technical workshops led by industry professionals (Cognizant, etc.) on topics such as Web Requests & Responses, web development with Django, Python, and cybersecurity, and took part in practical programming challenges

🎓 EDUCATION

2024 – Present Cluj-Napoca, Romania	**BSc in Computer Science,** **Babeș-Bolyai University, Faculty of Mathematics and Computer Science** *Second-year student (English-taught program) · Recipient of the Performance Scholarship* • Studied and applied core computer science concepts such as **Object-Oriented Programming** and **Data Structures & Algorithms** while developing **CRUD applications** in Python and C++, learning to manage complexity through abstraction and modularization
2020 – 2024 Oradea, Romania	**Mathematics–Computer Science track,** **"Betel" Pentecostal Theological High School** • Final high school GPA: **9.95** (Baccalaureate)

💼 WORK EXPERIENCE

2022 – 2022 Vienna, Austria	**Cashier & Customer Service, McDonald's Vienna** • Developed key communication skills, adaptability, and effective teamwork in a multicultural environment • Maintained a professional and positive attitude when interacting with customers, even in high-pressure situations • Worked in a dynamic and international setting, gaining valuable experience in engaging with people from diverse cultures and backgrounds

🌐 LANGUAGES

Romanian	**English**	**German**
native	C1 (Cambridge certified)	B1