📇 Personal Information

Name： András Bakó

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🎓 Education

BSc in Computer Engineering   2022 – present
- Pázmány Péter Catholic University – Faculty of Information Technology and Bionics

Electronics Technician   2019 – 2020
- Újpest Bilingual Technical School

🖥 Projects and Teaching

Laboratory Automation – PYTHON   2025 – present
- GitHub repo
- My main responsibility is to develop the hardware and software environment for automating a laboratory device. We are developing the application in Python. The GUI is built with PyQt, although we face some performance issues. While these issues are not directly my task, I consider optimizing them essential.

Focus Distance Estimation – LLM - PYTHON   2024.11 – 2024.12
- GitHub repo
- As part of a competition supported by HUN-REN SZTAKI, our goal was to develop a deep learning system capable of estimating the absolute focus distance of cells from images captured by a holographic microscope. The task was formulated as a regression problem and evaluated using root mean squared error (RMSE).

My Website   2024 – present
- https://bakan7.netlify.app
- I wanted a personal site to share my materials and help students in earlier years. I also paid attention to security vulnerabilities during the design.

🔧 Skills

- Confident in using **C++, Java, SQL, Python**.

- Although I'm still early in my web development journey, I feel a affinity for the field.

- **English** – conversational level. Part of my university education is in English, which provides access to a broader range of quality resources.

- **Driver's License** – B, A2

⭐ Hobbies

- Participating in community events
- Maintaining my own equipment (strong technical affinity)
- Motorcycling
- Sports (mainly gym workouts)