DÁNIEL MIZSÁK

AI Infrastructure Developer

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in daniel-mizsak 🌐 pythonvilag.hu ⚙ daniel-mizsak

PROFILE

I am an always curious and open-minded engineer, constantly seeking new challenges. With adaptive problem-solving abilities and a creative approach, I excel at finding innovative solutions.
I am known for my precise working style, ensuring high-quality results. I am dedicated to continuous improvement and making a positive impact.

EXPERIENCE

AI Infrastructure Developer

3Shape

📅 October 2023 – Present 📍 Copenhagen

- Programmed several extensions to existing C# infrastructure
- Refactored and expended computer cluster automation framework

Machine Learning Engineer

Bosch

📅 February 2022 – September 2023 📍 Budapest

- Organized and prepared ML model and data pipeline for **deployment**
- Developed a multi-label **classifier** using active and transfer-learning
- Created and implemented an **object detection** model for better label quality
- Modernized the **docker** development environment for multiple projects

Data Scientist Internship

Bosch

📅 April 2020 – January 2022 📍 Budapest

- Investigated the **predictability** of sensor parameters from various types of manufacturing data (MSc Diploma)
- Modified a limit calculation **algorithm** to reduce the dropout rate of viable units
- Created a web application for interactive **3D visualization** of sensor parameters

EDUCATION

Mechanical Engineering Modelling (MSc)

Budapest University of Technology and Economics

📅 2020 – 2022

Solid and Fluid mechanics specialization

Mechatronics Engineering (BSc)

Budapest University of Technology and Economics

📅 2016 – 2020

Mechanical modelling specialization

ABOUT ME

Peak Performance
I am always giving my best regardless of the task at hand.

Mentorship
Knowledge sharing and idea exchange are important to me.

Life-long Learning
Seeking self-improvement at work and beyond.

Health
I keep fit by going to the gym, played ice hockey for 10 years.

TOOLS

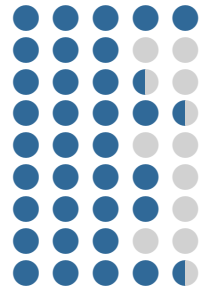|	
Python	●●●●●
C#	●●●○○
Machine Learning	●●●◐○
Git	●●●●◐
MLOps	●●●●○
SQL	●●●●○
Linux	●●●●○
Azure	●●●◐○
Microsoft Office	●●●●◐

PROJECTS

checkmark - Assessment generator and evaluator system.

pythonvilag-website - The source code of my personal website.

private-lecture-automation - Tools for automating lecture management.

pygames - Famous games implemented in Python.

LANGUAGES

English	●●●●◐
Hungarian	●●●●●