

Director
of **IT4Innovations National Supercomputing Center**
VSB - Technical University of Ostrava
announces a selection procedure for a post of
AI Researcher
Advanced Data Analysis and Simulations Laboratory

The position is suitable for both women and men.

We are seeking new colleagues to join our lab and develop cutting-edge AI tools for HPC systems. You will become a part of the national and international projects like LUMI AI Factory and Czech AI Factory projects. Your role will involve developing innovative AI applications and agentic solutions, researching AI reliability and bias reduction, supporting industrial partners in AI adoption, and creating tools to streamline AI workflows on HPC infrastructure. IT4Innovations National Supercomputing Centre is a leading research, development, and innovation centre active in the fields of High-Performance Computing (HPC), Data Analytics (HPDA), Quantum Computing (QC), Artificial Intelligence (AI) and their applications. For more, see <https://www.it4i.cz/en>.

Activity description:

- development of new AI enabled tools,
- optimization of training and inference pipelines for AI models,
- collaborate with a well established group of developers and researchers creating highly innovative platforms that make life easier for other scientists.

Full time equivalent:	1,0
Type of job contract:	fixed-term employment
Expected start of employment:	1. 5. 2025 or as agreed
Number of positions:	4

We require:

- minimum Msc. in computer science or mathematics,
- required experience:
 - o knowledge of AI libraries such as PyTorch, DeepSpeed, YOLO, Unsloth,
 - o broad knowledge of models and trends in the AI community,
 - o experience with data analysis and processing,
- experience with the following technologies is an advantage:
 - o experience with High Performance Computing systems,
 - o work in Linux environment and CLI,
 - o code containerisation,
 - o proficiency with git,
 - o Ph.D. in computer science or mathematics,
 - o proven scientific record in AI topics,
- will to work in an international environment which requires good communication skills in the English language both spoken and written,
- ability to learn new technologies and to work in a dynamic research environment.

We offer:

- work in a promising organization,
- salary evaluation according to the candidate's experience,
- modern laboratory and classroom facilities,
- opportunity to participate in excellent research,
- possibility of further education,
- 6 weeks of holidays,
- flexible working hours,
- university kindergarten,
- contribution to pension plan,
- company catering in the canteen,
- MultiSport card,
- other employee benefits according to the employer's offer.

Your personal data will be processed to the extent necessary for the implementation of the selection procedure in accordance with EU Regulation 2016/679.

<https://www.vsb.cz/export/sites/vsb/en/.content/files/Informace-pro-uchazece-o-zamestnani-AJ.pdf>

Send applications accompanied by a CV and motivation letter to the email address:

petra.brozova@vsb.cz **until 31. 3. 2026.**

In the subject of the email, please state "Open Call for the position of the AI Researcher for the Advanced Data Analysis and Simulations Laboratory".