# ESTABLISHED RESEARCHER
# FIRST STAGE RESEARCHER

**ČVUT**
ČESKÉ VYSOKÉ
UČENÍ TECHNICKÉ
V PRAZE

Prague 17. 4. 2025

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| **ORGANIZATION:** | CZECH TECHNICAL UNIVERSITY IN PRAGUE |
| **FACULTY:** | FACULTY OF NUCLEAR SCIENCES AND PHYSICAL ENGINEERING |
| **DEPARTMENT:** | DEPARTMENT OF SOFTWARE ENGINEERING |
| **RESEARCHER PROFILE:** | FIRST STAGE RESEARCHER (R1), RECOGNIZED RESEARCHER (R2) OR ESTABLISHED RESEARCHER (R3) |
| **RESEARCH FIELD:** | AI MODEL DEVELOPMENT / COMPUTER SCIENCE / INFORMATICS |
| **COUNTRY:** | CZECH REPUBLIC |
| **WORKPLACE:** | DĚČÍN |
| **TYPE OF CONTRACT:** | FOR A FIXED TERM UNTIL AUGUST 2027 |
| **JOB STATUS:** | UP TO 2 RESEARCH POSITIONS, FULL-TIME (40 HOURS/WEEK) |
| **SALARY:** | UP TO 100 000 CZK/MONTH (4 000 EUR/MONTH) |
| **START DATE:** | 1.1.2026 |
| **APPLICATION DEADLINE:** | UNTIL AUGUST 31, 2025 |

## OFFER DESCRIPTION

The **Faculty of Nuclear Sciences and Physical Engineering** of the **Czech Technical University in Prague** is one of the leading scientific and educational institutions in the Czech Republic. It covers a wide scope of fields in Mathematics, Scientific Software, Physics, Chemistry, Material Sciences, or Nuclear Engineering. The **Department of Software Engineering** (DSE) conducts research and leads courses in areas related to scientific computing and data processing, data visualization, mathematical modeling and optimization, machine learning and artificial intelligence, etc. DSE provides courses for students in Bachelor's, Master's, and also Doctoral programmes. DSE operates a 3D print lab in Děčín and collaborates with several academic institutions, companies, medical centers, and public administration institutions. Several members of the department participate in LHC experiments at CERN.

The Dean of the Faculty of Nuclear Sciences and Physical Engineering, Czech Technical University in Prague, invites applications for a non-academic research position (starting researcher R1, recognized researcher R2, or established researcher R3)

at the Department of Software Engineering **located in Děčín**, Czech Republic. The call is primarily intended for specialists in **Machine Learning and Artificial Intelligence**, but also welcomes candidates from all areas of research in Computer Science, Informatics, or Applied Mathematics, including Software Engineering, Applied Informatics, Mathematical Modeling, Mathematical Optimization, Software Optimization, Distributed, Parallel, and Cluster Computing, and Computational Geometry.

The candidate is expected to conduct scientific research, software development and other creative activities within the projects at Department of Software Engineering focused on the application of AI. **The starting date is fixed due to the project timeline, and the candidate is required to start on January 1, 2026.** The salary offered is up to 100,000 CZK/month (4,000 EUR/month), depending on the candidate's competencies. A hybrid work model is anticipated, with the possibility of accommodation provided in Děčín.

## QUALIFICATION REQUIREMENTS

- A Master's degree (Ph.D. in Computer Science / Informatics / Applied Mathematics is an advantage),
- proficiency in the English language (knowledge of Czech or Slovak is an advantage),
- proven experience in designing and implementing AI/ML models and deploying them into production in academic or industrial environments,
- proficiency in programming in Python (knowledge of C++ or C# is an advantage),
- a stable publication record in journals indexed in Web of Science or Scopus, with a publication profile corresponding to the length of professional experience, is an advantage,
- experience with international scientific collaboration is an advantage.

## APPLICATION

The application must be written in English, Czech, or Slovak and must include a **cover letter, curriculum vitae (CV), research statement, list of publications, copies of documents (diplomas) confirming completed education and professional qualifications**. Please also include any additional documents you consider relevant.

If interested, please send your complete application by email to **ksi@fjfi.cvut.cz** by **August 31, 2025**.

## INFORMATION ON THE SELECTION OF A SUITABLE CANDIDATE

The selection procedure takes the form of an assessment of the submitted documents in the first round. In the second round, a personal interview will be held with the selected candidates. The selection panel is expected to meet with the shortlisted candidates in September or October 2025.

Informal inquiries concerning the position are welcome via **ksi@fjfi.cvut.cz**.

Czech Technical University in Prague stands for equal opportunities and diversity. We strongly encourage qualified women to apply. Child-rearing periods will be taken into account when assessing your scientific career.