

As part of the German government's artificial intelligence (AI) strategy, the successful Saxon competence center ScaDS.AI Dresden/Leipzig (Center for Scalable Data Analytics and Artificial Intelligence) is being expanded into a leading German AI competence center for Big Data and Artificial Intelligence (AI). The TUD Dresden University of Technology (TUD) embodies a university culture that is characterized by cosmopolitanism, mutual appreciation, thriving innovation and active participation. For TUD diversity is an essential feature and a quality criterion of an excellent university. Accordingly, we welcome all applicants who would like to commit themselves, their achievements and productivity to the success of the whole institution.

At the **Center for Interdisciplinary Digital Sciences (CIDS)**, the **Center for Scalable Data Analytics and Artificial Intelligence (ScaDS.AI Dresden)** offers two positions as

**Research Associate / PhD Student (m/f/x)**

(subject to personal qualification employees are remunerated according to salary group E 13 TV-L)

starting at the **earliest possible date** and is limited until April 30, 2027. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG). The positions aim at obtaining further academic qualification (usually PhD).

**Professional assignment:** Chair of Scalable Software Architectures for Data Analytics (Prof. Dr. Michael Färber)

**Research area:** Natural Language Processing (Large Language Models), Machine Learning, Knowledge Graphs

**Tasks:**

- scientific research in at least one of the following areas: Natural Language Processing, Knowledge Graphs, Machine Learning (e. g. combination of Language Models with Knowledge Graphs; development of truthful/citable Language Models)
- collaboration in national and international research projects, possibly with an industrial connection
- participation in teaching (e. g. seminars; no basic lectures)
- presentation of research results and prototypes.

The position comes with access to high performance computing resources and access to training opportunities within ScaDS.AI.

**Requirements:**

- university degree (typically M.Sc.) in Computer Science, Data Science, Machine Learning, Computational Linguistics or a related field
- previous experience in Natural Language Processing, knowledge Graphs, Machine Learning or Recommender Systems
- strong interest in foundational research
- very good programming skills, preferably in Python
- good written and spoken English skills.

TUD strives to employ more women in academia and research. We therefore expressly encourage women to apply. The University is a certified family-friendly university and offers a Dual Career Service. We welcome applications from candidates with disabilities. If multiple candidates prove to be equally qualified, those with disabilities or with equivalent status pursuant to the German Social Code IX (SGB IX) will receive priority for employment.

Please submit your detailed application with the usual documents (Cover letter, CV, copies of your references and certificates) quoting the **job number „ScaDS.AI Färber1“** by **May 29, 2024** (stamped arrival date of the university central mail service or the time stamp on the email server of TUD applies) to: **TU Dresden, ScaDS.AI, Herrn Prof. Dr. Wolfgang E. Nagel, Helmholtzstr. 10, 01069 Dresden, Germany** or via the TUD SecureMail Portal <https://securemail.tu-dresden.de> by sending it as a single pdf file to [scads.ai@tu-dresden.de](mailto:scads.ai@tu-dresden.de). Please submit copies only, as your application will not be returned to you. Expenses incurred in attending interviews can be reimbursed.

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**Reference to data protection:** Your data protection rights, the purpose for which your data will be processed, as well as further information about data protection is available to you on the website: <https://tu-dresden.de/karriere/datenschutzhinweis>.