Dresden University of Technology

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). For TUD Dresden University of Technology 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 **Department for Scalable Data Analytics and Artificial Intelligence (ScaDS.AI Dresden)** offers a full-time position as

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

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

starting at the **earliest possible date**. The position is limited to 24 months, with the option of extension. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG). A shorter contract term is possible by arrangement. The position aims at obtaining further academic qualification.

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

Research areas: Natural Language Processing, Large Language Models, Knowledge Graphs, and related fields (e.g., Graph Machine Learning)

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
- scientific teaching tasks (e. g. seminars; no basic lectures)
- presentation of research results and prototypes

Requirements:

- university degree (typically M.Sc.) in Computer Science, Data Science, Machine Learning, Computational Linguistics or a related field, if applicable with PhD
- 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

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

TUD strives to employ more women in academia and research. We therefore expressly encourage women to apply. The university is a family-friendly university. 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.

Application: Please submit your detailed application with the usual documents (e.g., cover letter, CV, and other supporting documents), quoting the **job reference "ScaDS.AI Färber E 13"** by **April 22, 2026** (stamped arrival date of the university central mail service or the time stamp on the email server of TUD applies), preferably via the TUD SecureMail Portal https://securemail.tu-dresden.de by sending it as a single pdf file to **jobs-scads.ai@tu-dresden.de** or to:

TU Dresden, ScaDS.AI, Prof. Dr.-Ing. Michael Färber, Helmholtzstr. 10, 01069 Dresden, Germany.

Please submit copies only, as your application will not be returned to you. Expenses incurred in attending interviews cannot be reimbursed.

TUD is a founding partner in the DRESDEN-concept alliance.

DRESDEN concept

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.