Data Scientist / AI Developer

Job-ID: 2026-01-PTKID-WMA

About us

The Institute for Applied Construction Research (IAB) Weimar is one of the leading industry-oriented research institutes in Thuringia. For over 30 years, we have been developing innovative equipment, processes, and materials for the construction sector in close cooperation with partners from industry and academia. More than 130 employees work with us on practical solutions that help shape the construction world of tomorrow.

For our Department of Artificial Intelligence and Data Sciences, we are looking to fill a position as a Research Associate at the earliest possible date. In our interdisciplinary team, you will develop AI and data science solutions for real-world industrial applications. The focus lies on computer vision, language models, and the analysis of measurement and sensor data to automatically analyze, monitor, and optimize processes. Research results are systematically transferred into robust, production-ready solutions.

Your tasks

- Participation in research projects and industrial contracts
- Development and application of data science and machine learning methods
- Preparation, analysis, and visualization of measurement and process data
- Development and maintenance of Python-based analysis and evaluation pipelines
- Validation, documentation, and continuous improvement of models
- Close collaboration with other departments and industry partners

Your skills

- Completed university degree in a STEM field (e.g., computer science, data science, engineering)
- Very good understanding of data preprocessing, feature engineering, and model evaluation
- Very good knowledge of Python and common data science and ML libraries (NumPy, pandas, SciPy, scikit-learn, matplotlib/seaborn; ideally PyTorch or TensorFlow)
- Structured, analytical, and independent working style
- Strong teamwork and communication skills
- Interest in practical, industry-oriented problem solving
- Very good German skills (native speaker or at least B2 level) and good English skills (at least B1 level)

Our benefits

- Permanent position at an industry-oriented research institute
- Opportunity to actively shape a future-oriented field with a high level of

Contact person
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Start of employment
at the earliest possible date

Duration of employment
Permanent position

Job location
Weimar Institute of Applied Construction Research, 99428, Weimar, Thuringia

Working hours
Full-time (39h/week)

Field of expertise
Data Science / AI / 3D

Date of release
10. February 2026

apply now

 responsibility and visible external impact
- Mobile work options and flexible working hours (flexitime)
- On-the-job training as well as opportunities for doctoral studies
- Extended social benefits (occupational pension scheme, company daycare center)
- 24-hour group accident insurance
- Company bicycle leasing (Business Bike, Euro Rad, Linexo)
- Job ticket (Germany Ticket)
- Corporate fitness program (Hansefit)
- Special annual payment
- 30 days of paid vacation

Application

Interested? We look forward to receiving your application! Please send your complete application documents, stating the job ID 2025-11-PTIT-WMA and your earliest possible start date, by email to:

karriere∂iab-weimar.de