

# AI Training Series - Fundamentals of Deep Learning - powered by NVIDIA

**Dienstag, 11. Februar 2025 | 10:00 Uhr bis 17:00 Uhr**

**Leibniz-Rechenzentrum (LRZ) | 85748 Garching b. München, Boltzmannstr. 1**

This course is part of the "LRZ AI Training Series", a series of courses aiming at the needs and expectations of data analytics, big data & AI users at LRZ. The course will be organised as an on-site event at LRZ in Garching near Munich allowing for direct interaction with trainers during hands-on and demos.

There will be no possibility to join online remotely via video conference. Participants are expected to bring their own laptops. There are no PCs installed in the course room!

## **Contents:**

Businesses worldwide are using artificial intelligence to solve their greatest challenges. Healthcare professionals use AI to enable more accurate, faster diagnoses in patients. Retail businesses use it to offer personalised customer shopping experiences. Automakers use it to make personal vehicles, shared mobility, and delivery services safer and more efficient. Deep learning is a powerful AI approach that uses multi-layered artificial neural networks to deliver state-of-the-art accuracy in tasks such as object detection, speech recognition, and language translation. Using deep learning, computers can learn and recognise patterns from data that are considered too complex or subtle for expert-written software.

In this course, you'll learn how deep learning works through hands-on exercises in computer vision and natural language processing. You'll train deep learning models from scratch, learning tools and tricks to achieve highly accurate results. You'll also learn to leverage freely available, state-of-the-art pre-trained models to save time and get your deep learning application up and running quickly.

The course is part of the AI Training Series organised by LRZ and powered by NVIDIA Deep Learning Institute (DLI). All instructors are NVIDIA certified University Ambassadors.

Veranstalter:  
Leibniz-Rechenzentrum (LRZ)

Weitere Informationen: <https://app1.edoobox.com/en/LRZ/Onsite%20Courses/Online%20Course.ed.50a251>