



CERTIFICATE OF ATTENDANCE

This acknowledges that

Hugo Oliveira

attended

Multi-GPU AI Train the Trainer Workshop

30th January - 5th February 2026



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Certificate of attendance in Multi-GPU AI Train the Trainer Workshop

Hugo Oliveira has successfully completed **35 hours** the **Multi-GPU AI Train the Trainer Workshop**, an intensive program focused on scaling and optimising Artificial Intelligence workloads on high-performance computing (HPC) infrastructures. The learner participated in the online workshop held from **January 30th until February 5th, 2026**, gaining advanced hands-on experience in distributed deep learning and model parallelism.

Course content level:

Advanced

Topics covered:

- Multi-GPU Deep Learning Frameworks
- Model Parallelism
- High-Performance AI Optimisation
- Hugging Face Accelerate
- DeepSpeed
- Ray for distributed training and RAG
- Computer Vision (CV) pipelines
- Large Language Model (LLM) fine-tuning
- Hyperparameter tuning.
- RAG (Retrieval-Augmented Generation)
- Hands-on exercises

Skills earned:

- [BDA1.2 - AI and Data Science](#)
- [BDA2.4 - RayDP](#)
- [BDA2.5 - Spark-Horovod](#)
- [BDA5 - Machine Learning](#)
- [BDA6.2 - Data-driven Workflows](#)
- [USE1.5.2 - Spack](#)

Course format:

- Online lectures and hands-on coaching (35 hours total).

Lectures taught by:

Oskar Taubert (NCC Finland) & Caspar van Leeuwen (NCC Netherlands) & Gyula Ujlaki (NCC Hungary) & Riccardo Sceda, Michele Visciarelli, Alberto Bocchinfuso (NCC Italy) & Geert Jan Bex (NCC Belgium) & Ashwin V. Mohanan, Yonglei Wang, Francesco Fiusco (ENCCS).

Hands-on labs:

Conducted on [[Leonardo \(CINECA\)](#)].

Organised by:

[EUROCC2](#) & [CASTIEL 2 Project](#)

Course description:

[[Multi-GPU AI Train the Trainer](#)]