

MICROSOFT OFFICIAL CURRICULUM

NVIDIA

Enhancing Data Science Outcomes With Efficient Workflows

Program aligned

Official NVIDIA DLI program focused on building efficient, diagnostic-driven, hardware-accelerated machine learning workflows for large datasets.

Data

Advanced

NVIDIA RAPIDS, Triton Inference Server

DURATION

8 hours

LEVEL

Advanced

FORMAT

Virtual, On-site, or Hybrid

CERTIFICATION

Available on request

AUDIENCE PROFILE

Built for these roles

Designed for experienced data science teams that want more efficient accelerated workflows, better diagnostics, and stronger operational performance at scale.

OVERVIEW

Executive overview

This NVIDIA DLI program teaches teams how to create an end-to-end, hardware-accelerated machine learning pipeline for large datasets. It emphasizes diagnostics, workflow analysis, and mitigation of common performance pitfalls across the development lifecycle.

PROGRAM OUTCOMES

Capabilities your teams will gain

- Create end-to-end accelerated machine learning workflows for large datasets
- Use diagnostics to identify delays and workflow bottlenecks
- Improve efficiency across data preparation, training, and inference stages
- Make more informed platform decisions for high-volume analytics workflows

ENTERPRISE CUSTOMIZATION

Enterprise customization

Tailor this program to your organization's priorities: Helps mature data science teams improve throughput, diagnose delays, and reduce inefficiencies across large-scale machine learning workflows.

Customization options

- Use your largest workflow pain points and representative datasets
- Add model serving and deployment optimization follow-on sessions
- Extend into platform observability and operational tuning practices

TRAINING PROVIDER

VNode ITeS

MICROSOFT CERTIFIED TRAINER

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CURRICULUM

Curriculum roadmap

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MODULE 1

Design more efficient accelerated ML workflows

Structure end-to-end workflows for large datasets using GPU-aware tools, libraries, and platform decisions.

- Accelerated ML pipeline architecture
- Efficient feature and training workflows

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MODULE 2

Diagnose and improve workflow bottlenecks

Use diagnostic techniques and performance analysis to identify delays and improve development-to-inference efficiency.

- Diagnostic tooling and bottleneck analysis
- Inference and workflow optimization

PRIVATE DELIVERY

Plan a private cohort for your team





Scope delivery format, role mix, and rollout timeline with our solutions team.

Plan Private Delivery

Book advisory call

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