

MICROSOFT OFFICIAL CURRICULUM

NVIDIA

Accelerating Data Engineering Pipelines

Program aligned

Official NVIDIA DLI program exploring advanced tools and techniques for GPU-accelerated data engineering pipelines.

Data

Intermediate

NVIDIA RAPIDS, NVTabular

DURATION

8 hours

LEVEL

Intermediate

FORMAT

Virtual, On-site, or Hybrid

CERTIFICATION

Available on request

AUDIENCE PROFILE

Built for these roles

Built for practitioners who need to improve data engineering pipeline performance with GPU-enabled tools and workflow techniques.

OVERVIEW

Executive overview

This NVIDIA DLI program explores how to employ advanced data engineering tools and techniques with GPUs to improve pipeline performance. It is well suited for teams that want stronger pipeline efficiency before scaling more complex data and AI workloads.

PROGRAM OUTCOMES

Capabilities your teams will gain

- Apply GPU-accelerated techniques to data engineering workflows
- Use cuDF, Dask, and NVTabular in pipeline-oriented scenarios
- Identify opportunities to reduce bottlenecks in data movement and processing
- Build stronger engineering fluency in accelerated data platforms

ENTERPRISE CUSTOMIZATION

Enterprise customization

Tailor this program to your organization's priorities: Supports faster and more efficient data pipeline execution by helping teams apply NVIDIA GPU-accelerated engineering techniques to modern data workflows.

Customization options

- Map exercises to your ingestion and transformation pipeline patterns
- Add medallion architecture or feature-engineering emphasis
- Extend into RAPIDS and Spark acceleration adoption discussions

TRAINING PROVIDER

VNode ITeS


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vnodeites.com

[linkedin.com/company/vnodeites](https://www.linkedin.com/company/vnodeites)

TALK TO US

 info@vnodeites.com

 +91 9419 11 4792

 WhatsApp · +91 9419 11 4792

 +91 7780 81 1685

OFFICE

DLF Cyber City, Gurugram

Haryana — India

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CURRICULUM

Curriculum roadmap

1

MODULE 1

Build accelerated pipeline foundations

Explore the core tools and patterns needed to use GPUs effectively within data engineering and transformation workflows.

- Accelerated pipeline foundations
- GPU-enabled transformation workflows

2

MODULE 2

Scale engineering workflows for higher throughput

Apply distributed and feature-oriented workflow techniques to improve pipeline reliability and throughput on larger data volumes.

- Distributed processing patterns with Dask
- Feature pipeline acceleration with NVTabular

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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TALK TO US

-  info@vnodeites.com
-  +91 9419 11 4792
-  WhatsApp · +91 9419 11 4792
-  +91 7780 81 1685

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Haryana — India
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