

MICROSOFT OFFICIAL CURRICULUM

Databricks

Machine Learning with Databricks

Program aligned

Databricks machine learning practitioner program aligned to associate-level ML responsibilities across preparation, model building, deployment, and operations.

Advanced AI & Machine Learning (Databricks)

Intermediate

Databricks Data Intelligence Platform

DURATION

4 days

LEVEL

Intermediate

FORMAT

Virtual, On-site, or Hybrid

CERTIFICATION

**Databricks Certified
Machine Learning Associate**

AUDIENCE PROFILE

Built for these roles

Built for machine learning practitioners who need to build, track, deploy, and operationalize ML workflows on Databricks with stronger engineering discipline and platform fluency.

OVERVIEW

Executive overview

This course maps to the Databricks machine learning practitioner learning path and supports Databricks Certified Machine Learning Associate preparation. It equips teams to move from experimentation into structured Databricks machine learning workflows, covering data preparation, model development, deployment, and foundational operations.

PROGRAM OUTCOMES

Capabilities your teams will gain

- Prepare and manage data for machine learning workflows on Databricks
- Develop and evaluate models using Databricks-native tooling
- Deploy models into repeatable delivery flows
- Establish stronger ML operations habits for team-based execution

ENTERPRISE CUSTOMIZATION

Enterprise customization

Tailor this program to your organization's priorities: Builds applied machine learning capability on Databricks across feature preparation, model development, deployment, and core MLOps operations.

Customization options

- Use your data science use case or model type in the labs
- Add deeper MLOps and model governance emphasis
- Extend with feature engineering and serving patterns for production teams

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

Azure · AI · Data · Power Platform

CURRICULUM

Curriculum roadmap

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MODULE 1

Prepare and structure data for ML workloads

Create reliable machine learning-ready datasets and feature pipelines that support repeatable experimentation and downstream model development.

- Data Preparation for Machine Learning

2

MODULE 2

Develop and evaluate machine learning models

Build model-development workflows in Databricks with a focus on training, evaluation, experimentation, and reproducibility.

- Machine Learning Model Development

3

MODULE 3

Deploy models for enterprise use

Move from experimentation into usable delivery patterns by packaging, promoting, and exposing models in operational workflows.

- Machine Learning Model Deployment

4

MODULE 4

Establish foundational ML operations

Apply the operational practices needed to manage model lifecycle steps more consistently across collaboration, monitoring, and maintenance.

- Machine Learning Operations

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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