

# VERTEX AI FOR MACHINE LEARNING PRACTITIONERS

Course Code: 899025

This instructor-led one-day course is designed for engineers and data scientists familiar with machine learning models who want to become proficient in using Vertex AI for custom model workflows.

This practical, hands-on course will provide you with a deep dive into the core functionalities of Vertex AI, enabling you to effectively leverage its tools and capabilities for your ML projects.

## What You'll Learn

By the end of the course, learners will be able to:

- Understand the key components of Vertex AI and how they work together to support your ML workflows.
- Configure and launch Vertex AI Custom Training and Hyperparameter Tuning Jobs to optimize model performance.
- Organize and version your models using Vertex AI Model Registry for easy access and tracking.
- Configure serving clusters and deploy models for online predictions with Vertex AI Endpoints.
- Operationalize and orchestrate end-to-end ML workflows with Vertex AI Pipelines for increased efficiency and scalability.
- Configure and set up monitoring on deployed models

## Who Needs to Attend

Machine Learning Engineers, Data Scientists

## Prerequisites

Experience building and training custom ML models. Familiar with Docker.

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VIRTUAL CLASSROOM LIVE

\$1,199 CAD

1 Day

## Virtual Classroom Live Outline

### **Module 1: Training, Tuning, and Deploying Models on Vertex AI**

- Understand Containerized Training Applications
- Understand Vertex AI Custom Training and Tuning Jobs
- Understand how to track and version your trained models in Vertex AI Model Registry
- Understand Online Deployment with Vertex AI Endpoints

### **Module 2: Orchestrating end-to-end Workflows with Vertex AI Pipelines**

- Understand Kubeow
- Understand pre-built and lightweight Python components
- Understand how to compile and execute pipelines on Vertex AI

### **Module 3: Model Monitoring on Vertex AI**

- Understand Feature Drift and Skew
- Understand Model Monitoring for models deployed to Vertex AI Endpoints

Jan 13 - 13, 2026 | 9:00 AM - 5:00 PM EST

Mar 10 - 10, 2026 | 9:00 AM - 5:00 PM EST

Jul 14 - 14, 2026 | 9:00 AM - 5:00 PM EST

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