



AI and Machine Learning for Data Practitioners

Build practical ML skills with real business data—no coding needed

1 Days Training

COURSE OVERVIEW

This one-day hands-on course equips data practitioners with practical skills to build, train, and deploy machine learning models using Google Cloud's Vertex AI AutoML—no coding required. Learn how to turn raw data into real-world predictions and insights in just one day.

COURSE OBJECTIVE

- Understand core ML concepts and business use cases
- Prepare and explore datasets using GCP tools
- Train, evaluate, and interpret models using Vertex AI AutoML
- Deploy models and make real-time predictions

RECOMMENDED FOR

Data practitioners, analysts, and professionals looking to apply AI and machine learning to real business scenarios—no prior coding experience required.

COURSE HIGHLIGHTS



Hands-on data cleaning, formatting, and exploration



Model training, performance evaluation, and explainability



Real-world deployment via prediction endpoints



Use cases across various industries



Course Outline

1

Introduction to Machine Learning & Vertex AI

Gain a clear understanding of ML fundamentals, key use cases, and the capabilities of Google Cloud's Vertex AI and AutoML.

2

Data Preparation & Exploration

Learn how to format, upload, and validate structured datasets using Cloud Storage and Vertex AI tools.

3

Model Training with Vertex AI AutoML

Set up AutoML training jobs, explore how the platform automates preprocessing, and monitor training progress.

4

Model Evaluation & Explainability

Evaluate model performance using metrics like accuracy and precision, and interpret feature importance and confusion matrices.

5

Deployment & Prediction

Deploy models to prediction endpoints and make predictions through the UI or API for real-world application.

6

Wrap-Up & Next Steps

Review key learnings, explore resources for continued growth, and get your questions answered in the final Q&A.

For course customization and further discussion, feel free to reach out to us at marketing@matrixc.com

Trainer Profile

Ikmal Nordin Data & AI Lead, Matrix Connexion



A distinguished data analytics trainer, data scientist, and AI specialist with deep expertise in data science, AI, and economic analysis. Renowned for architecting cutting-edge data solutions, he translates complex concepts into practical, high-impact training for both corporate teams and individuals.

Ikmal has successfully trained and consulted for leading companies like Proton, Star Media Group, and BE International, empowering professionals across industries to harness the power of big data and AI for significant productivity gains and career advancement.

