

Part 2: Machine Learning Tools for Custom Models on Google Cloud

In this part, you will get an overview of the key ML tools that Google Cloud offers. You will learn about the different options in Google Vertex AI for storing and transforming data, training ML models, model optimization, model explainability, and so on. In addition to this, you will learn about the deployment tools, automation tools, and governance tools that Vertex AI offers for ML orchestration.

This part has the following chapters:

- [Chapter 3](#), *It's All about Data – Options to Store and Transform ML Datasets*
- [Chapter 4](#), *Vertex AI Workbench – a One-Stop Tool for AI/ML Development Needs*
- [Chapter 5](#), *No-Code Options for Building ML Models*
- [Chapter 6](#), *Low-Code Options for Building ML Models*
- [Chapter 7](#), *Training Fully Custom ML Models with Vertex AI*
- [Chapter 8](#), *ML Model Explainability*
- [Chapter 9](#), *Model Optimizations – Hyperparameter Tuning and NAS*
- [Chapter 10](#), *Vertex AI Deployment and Automation Tools – Orchestration through Managed Kubeflow Pipelines*
- [Chapter 11](#), *MLOps Governance with Vertex AI*