

## CHAPTER 42

# Google AutoML: Cloud Vision

Google Cloud AutoML Vision facilitates the creation of custom vision models for image recognition use cases. This managed service works with the concepts of transfer learning and neural architecture search under the hood to find the best network architecture and the optimal hyper-parameter configuration of that architecture that minimizes the loss function of the model. This chapter will go through a sample project of building a custom image recognition model using Google Cloud AutoML Vision. In this chapter, we will build an image model to recognize select cereal boxes.

## Enable AutoML Cloud Vision on GCP

Step through the following steps to enable AutoML Cloud Vision on GCP:

1. Open Cloud Vision by clicking the triple dash at the top-left corner of the GCP dashboard. Select **Vision** under the product section **ARTIFICIAL INTELLIGENCE** as shown in Figure 42-1.