Pytorch

- Pytorch based on torch library is an open source machine learning library. It is an imperative library, thus computations run immediately and the user is not required to wait to write the full code before checking if it works or not.
- It is a python based library and provides flexibility as a deep learning development platform.
- It is an easy to use API.
- Instead of predefined graphs with specific functionalities, pytorch provides a framework to build computational graphs in real-time. It even changes these graphs during runtime instead of having predefined graphs with specific functionalities.
- Serialization: Pytorch serves a simple API that saves all the weights of the model or pickle the entire class.

Tensorflow

- Secure Model Building: This library allows us to build and train ML models using intuitive high-level APIs such as Keras. It leads to quick model iteration and easy debugging.
- The core framework that is responsible for all computations in tensorflow is tensor. A tensor is a vector or matrix of n-dimensions that represents all types of data.
- Tensorflow uses graph framework. The graph gathers and describes all the series computation during training. The computations in the graph are done by connecting tensors in a graph by connecting a node and an edge. Node carries out mathematical operations and produces endpoints. The edges in the graph explain the input/output relationship between nodes.