Keras :—

- It is an API designed for human beings, not machines.
- It is deep learning API written in Python.
- Keras running on Tensorflow.
- Keras is :-

  (amt of info that worker mem. can hold at one time)

  1) Simple --- but not simplistic. ↗
     - It reduces developer <u>cognitive load</u> to free you to focus on parts of the problem that really matters.

  2) Flexible :-
     → Keras adopts the principle of progressive disclosure of complexity.

  3) Powerful :-
     - Keras provides industry - streangth performance & scalability.
     - It is used by companies, organization including NASA, Youtube, etc.

- Keras is platform where we able to go from ideas to result as fast as possible is the key to doing good research.

*TensorFlow :-

- It build & train models by using high-level keras API, which makes getting started with Tensorflow & machine learning easy.

- It always provide a direct path to production.

*- It train & deploy your models easily, no matter what language or platform you use.

- It also supports an ecosystem of powerful add-on libraries & models to experiment.

- Some companies are using this tensorflow like google, intel, Twitter, Coca-Cola, etc.

- It is a open source library developed by google primarily for deep learning application.

- It uses only python, yes but it also contains large amounts of c++.

- Using this we can build a voice recognition, language detection, video detection, image recognition, etc.