1.1 CORE FEATURES

31 August 2025   02:12 AM   Avinash Yadav

1. Tensor Computations

⤷ Multi-Dimentional Arrays

2. GPU Acceleration

⤷ Enables faster computations

3. Dynamic Computation Graph

⤷ The graphs can be changed at the sum time also. This adds flexibility in the system, make experimentation and debugging easier.

4. Automatic Differentiation

autograd → differentiation → tensor

5. Distributed Training

Since a single machine or a single GPU can not handle larger model or larger dataset in the ease of deep learning. so we need to use multiple machine, make use of multiple GPU clusters

6. Interoperability with other libraries

i.e. pytorch is within python universe, therefore can be used with other python libraries.