

# Introduction to PyTorch

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# PyTorch

An open source machine learning framework that accelerates the path from research prototyping to production deployment

<https://www.pytorch.org/>



# PyTorch Background

- Initially released in 2016
- First stable release in 2018
- Created by Facebook AI team
- Authors: Adam Paszke, Sam Gross, Soumith Chintala, Gregory Chanan



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# PyTorch Usage

- Works with tensors
- Device aware – tensors work either on GPU/CPU
- Tightly coupled with Python:
  - Provides fast NumPy-like functionality on ND-arrays like slicing, indexing etc.
  - Model development is similar to scikit-learn
  - Can be debugged using native Python Debugger



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