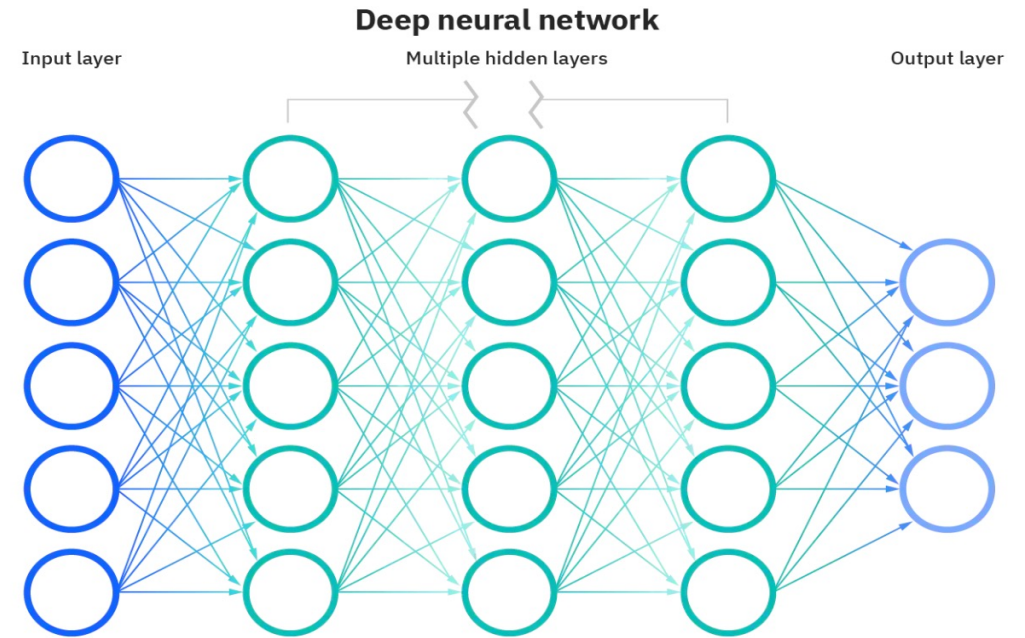


# PyTorch

PyTorch is a leading open source framework for AI research and commercial production in the areas of ML/DL

- Provides building blocks for creating, training, and optimizing deep learning neural networks used in apps such as,
  - chatbot, content/code generation, image recognition, speech-to-text, summarization ...
- Computation support for CPU, GPU, parallel and distributed training on multiple GPUs on multiple nodes
- Easy to use, rapid prototyping
- Initially developed at Meta, now a project under PyTorch Foundation
- Wide adoptions besides IBM (watsonx platform) such as Amazon, Microsoft, OpenAI, Salesforce, Tesla, Uber,... and academia



## Skill

- ML, DL, Python, C++, Math

## Learning resources

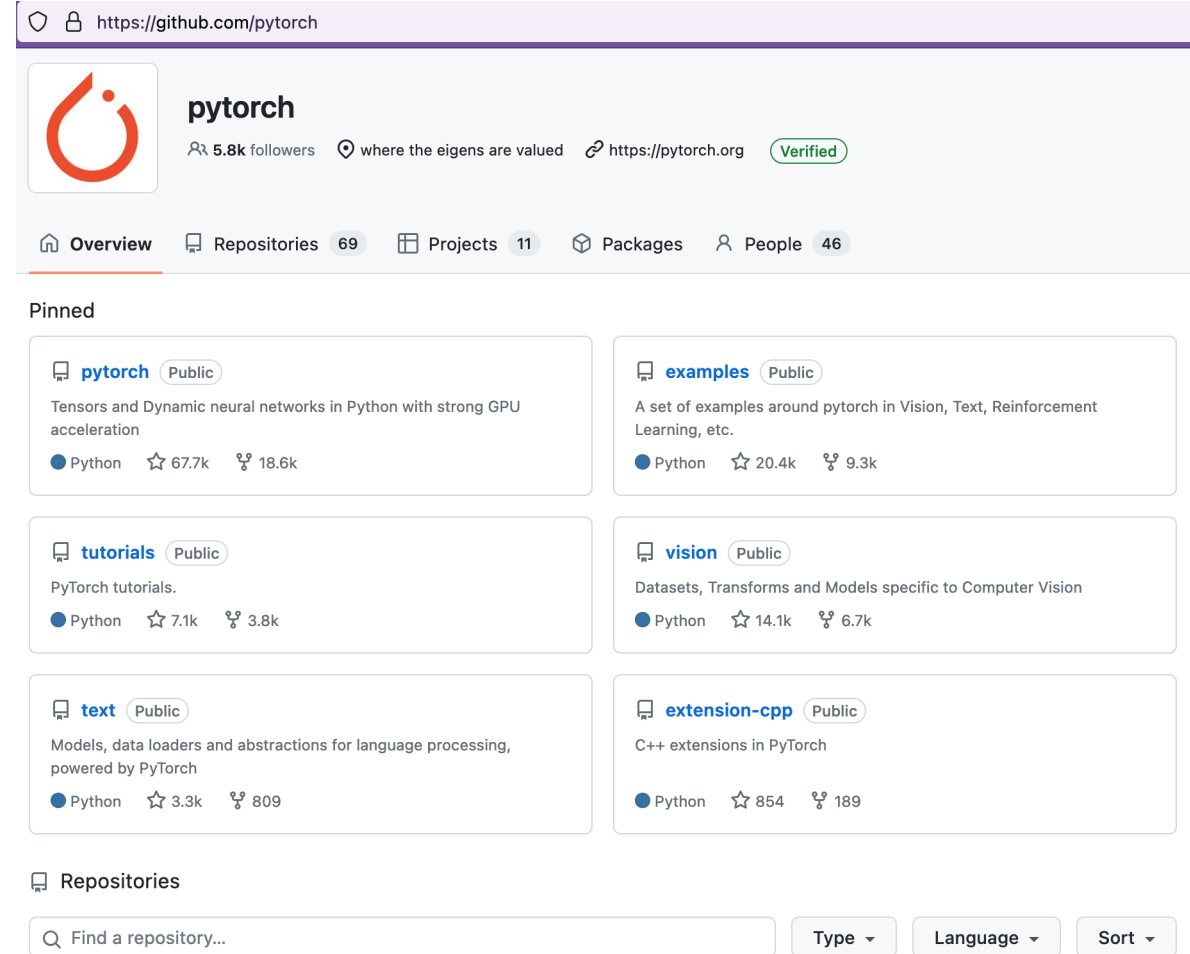
- <https://pytorch.org>
  - Docs, Tutorials, Blogs
- <https://github.com/pytorch/pytorch>

## Mentors (IBM)

- Sahdev Zala ([spzala@us.ibm.com](mailto:spzala@us.ibm.com)) – Senior Technical Staff Member
- Thara Palanivel ([tpalan@ibm.com](mailto:tpalan@ibm.com)) – ML Engineer, GT alumni

# Overview of PyTorch upstream Project

- Open governance provided by the PyTorch Foundation
  - Part of the Linux Foundation
  - IBM is a premier member
- Many repos in the PyTorch ecosystem, <https://github.com/pytorch>
- Requirement for Contributor License Agreement (CLA)
  - LF EasyCLA
  - Meta CLA (most repos other than PyTorch core repo)
- Contribute where you want
  - Code, Doc, Issue triage, Report issues, Improve test coverage, Community development, Propose enhancements,...
- Mentors will provide guidance on best practices for contributions



The screenshot shows the GitHub profile for the PyTorch organization. The header includes the PyTorch logo, the name "pytorch", 5.8k followers, a location "where the eigens are valued", the website "https://pytorch.org", and a "Verified" badge. Below the header is a navigation bar with tabs for Overview, Repositories (69), Projects (11), Packages, and People (46). The "Pinned" section displays six repositories in a grid:

Repository Name	Language	Stars	Forks
pytorch	Python	67.7k	18.6k
examples	Python	20.4k	9.3k
tutorials	Python	7.1k	3.8k
vision	Python	14.1k	6.7k
text	Python	3.3k	809
extension-cpp	Python	854	189

Below the pinned repositories is a "Repositories" section with a search bar labeled "Find a repository..." and filters for "Type", "Language", and "Sort".