

# Accelerate AI and Lower TCO with Intel® Xeon® Processors and Intel® Advanced Matrix Extensions

- Intel® AMX Deep Learning use cases:
  - Recommender Systems
  - Natural Language Processing (NLP)
  - Generative AI
  - Computer Vision
- Intel® AMX benefits include:
  - Significant Performance Improvements
  - Reduced total cost of ownership
  - Reduced development time



No code changes  
for PyTorch\* or Tensorflow\*

- ✓ Improves developer productivity & helps decrease cost
- ✓ Faster development & deployment
- ✓ Decreased time to value