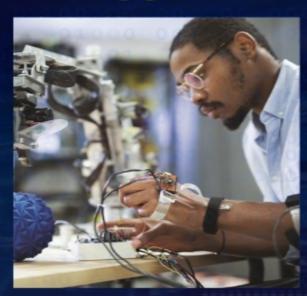


### HEALTHCARE AUTOMOTIVE INDUSTRIAL

### **RETAIL**









# AI IS TRANSFORMING INDUSTRIES

WORKFLOW TOOLS/SDK Intel® Deep Learning SDK (Training& Deployment)

**BIG DATA** ANALYTICS





**BigDL** 

DEEPLEARNING FRAMEWORK **OPTIMIZATIONS** 





theano Caffe Ttorch



LOW LEVEL SOFTWARE PRIMITIVES



Intel® Math Kernel Library for Deep Neural Networks (Intel® MKL-DNN)





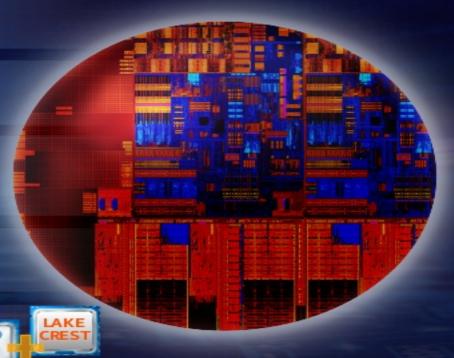












## AI ON IA: UNLEASHING THE NEXT WAVE

## AI NEEDS

# EASE OF USE



#### EFFICIENT SCALABILITY



#### LOWER TCO



### HIGH PERFORMANCE



### BIGDL ANSWERING THE NEEDS



**FEATURE PARITY** WITH CAFFE\* and TORCH\*

DRIVES SPARK/HADOOP AS THE UNIFIED DATA ANALYTICS PLATFORM, GIVING EASY CUSTOMER AND DEVELOPER EXPERIENCE AND LOWER TCO

DEEP LEARNING ON BIG DATA PLATFORM, ENABLING EFFICIENT SCALE-OUT

**HIGH PERFORMANCE AT SINGLE-NODE** 

Github: github.com/intel-analytics/BigDL

\*Other names and brands may be claimed as the property of others

# CUSTOMER USE CASES FOR BIGDL





FINANCIAL SERVICES





MANUFACTURING





DATA **INGEST** 

**FEATURE EXTRACTION** 

MODEL TRAINING & **PREDICTION** 

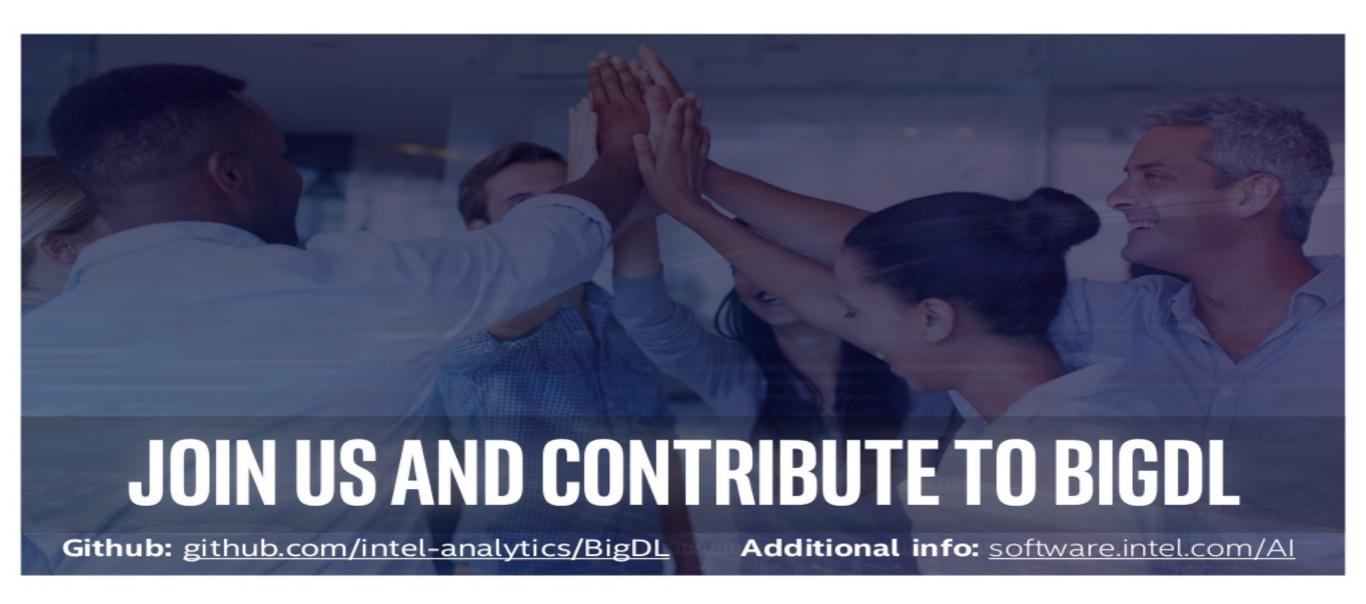
PRODUCT-IONIZE

AUTOMATED MANAGEMENT

JUST-IN-TIME DATA PLATFORM

INTERACTIVE **EXPLORATION**  **BigDL** 

JOBS & WORKFLOWS



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