7 Layers of Technology Stack

IMPORTANT ENABLERS DESIGNED FOR ULTIMATE AI VISUALIZATION

Government Acquisitions

SECURITY   PRIVACY   GOVERNANCE   ETHICS   FAIRNESS

AI ENABLED SMART ENDPOINTS

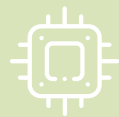Sensors, Drones, Smart Devices, Cameras, LIDAR, IOT Devices, Autonomous Endpoints

DEEP LEARNING FRAMEWORKS

TensorFlow, Caffe, Pytorch, MXnet, H2O, CNTK, SciKit, Theano, Apache SINGA, CUDA Cores

CONTAINERIZED GPU ACCELERATED AI APPLICATIONS

GPU Databases, Satellite Imagery Fusion, Robotic Process Automation, Intelligent Image Recognition, Responsibility Determination Bots, User Behavior Analytics for Insider Threat Detection

01. IMPORTANT

02. ENABLERS

03. DESIGNED

04. FOR

05. ULTIMATE

06. A.I.

07. VISUALIZATION

AI READY HIGH PERFORMANCE INFRASTRUCTURE

Hybrid Cloud, High Performance Compute, Hyper Converged Infrastructure, Optimized Storage, GPU Accelerated HPC Purpose Built Appliances,, FPGA & ASICs, High Speed Communication Networks, Geo Distributed Data Lakes, Virtualization & Containers, SDN, Blockchain, Object Storage, Next Gen Security Platforms.

DATA INGESTION & PREPARATION

High Speed Data Ingestion, Cleansing, Classification, Normalization, Tagging & Labelling, Indexing and Correlation, Data Modeling & Training

DEEP LEARNING USER SOFTWARE & LIBRARIES

Apache Arrow, Apache Spark, NVIDIA RAPIDS, NVIDIA DIGITS, Supervised and unsupervised Learning Software

RAPID DATA VISUALIZATION & DECISION MAKING

Rich Data Visualization & Mission Enablement by Data Scientists, Data Analysts, AI Center of Excellence (COE).