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Demo Abstract

Managing the end-to-end ML lifecycle with Arm technologies

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A world of a trillion connected devices offers a significant opportunity to broaden the impact of AI to deliver enhanced experiences and economic value for nearly every sector. On-device intelligence can enable this by making smaller, cost-sensitive devices smarter and more capable. The challenge for engineers and developers across the industry is how to design, develop, deploy and derive insights from these devices in the most seamless way possible. This demo shows how Arm helps simplify this entire process so you can derive value from your product and data as quickly as possible.

Find out how to build an end-to-end ML experience with Arm technologies, including Arm Cortex MCUs, CMSIS-NN, Arm Mbed OS, Google TensorFlow Lite for Microcontrollers, Arm Pelion IoT Platform and Arm Treasure Data. Learn how to run an ML model on resource constrained Cortex MCUs, using CMSIS-NN for optimization. Also, find out how to manage the connected devices with Pelion Device Management/Pelion Edge, and re-train the model in the cloud and re-deploy with Pelion.