Getting Started with AI on Jetson Nano: A Guided Learning Experience

The power of AI is now in the hands of makers, self-taught developers, and embedded technology enthusiasts everywhere with the NVIDIA® Jetson™ Nano Developer Kit. This easy-to-use, powerful computer lets you run multiple neural networks in parallel for applications like image classification, object detection, segmentation, and speech processing.

In this hands-on training event, you'll complete the NVIDIA Deep Learning Institute (DLI) course "Getting Started with AI on Jetson Nano" at your own pace with help from experts in the room. Included in the registration fee, you'll receive your own Jetson Nano Developer Kit, a pre-loaded SD card, camera, and all the hardware needed to optimize your training experience and continue learning afterward. All you need to bring is your laptop.

Prerequisites:	Basic familiarity with Python (helpful, but not required)
Technologies:	PyTorch, Jetson Nano, Python
Price:	Varies by event
Duration:	8 hours
Provided Hardware: (All hardware is included in the cost of the event and provided at the door. Participants must bring their own laptops.)	> NVIDIA Jetson Nano Developer Kit > Pre-loaded, high-performance microSD card (32 GB minimum) > 5V 4A power supply with 2.1 mm DC barrel connector > 2-pin jumper to power the Jetson Nano Developer Kit board with the barrel jack power supply > Logitech C270 USB Webcam or Raspberry Pi Camera Module v2 > USB cable (Micro-B to Type-A with DATA enabled)

Learning Objectives

Through hands-on experience, you'll create your own deep learning classification and regression models with the Jetson Nano. You'll:

> Learn how to set up your Jetson Nano and camera

> Collect image data for classification models

> Annotate image data for regression models

> Train a neural network on your data to create your own models

> Run inference on the Jetson Nano with the models you create

Benefits of DLI Guided Hands-On Training

> No need to buy your own hardware ahead of time. You'll receive a Jetson Nano Developer Kit and all hardware required for the training and continued learning. All you need to bring is your laptop.

> Save time using the provided SD card, pre-loaded with all of the course materials you'll need.

> Get the most out of the course with guidance from subject matter experts in the room and networking opportunities with your peers.

> Plus, you'll leverage all of the benefits of DLI: access to the most widely used, industry-standard software, tools, and frameworks and the ability to earn a DLI certificate to demonstrate your competency.

Additional Resources

> Explore self-paced, online courses and instructor-led workshops in computer vision, intelligent video analytics (IVA), robotics, and more at **www.nvidia.com/dli**

> Access blogs, webinars, and other educational resources on AI at **www.nvidia.com/ai**

> Learn about NVIDIA Jetson Nano at **www.nvidia.com/jetson-nano**