

TinyMLx Project Extension (Optional)

At this point, you've amassed an incredible amount of knowledge on Tiny Machine Learning. You have seen how models are developed using the machine learning workflow, from data collection to training and deployment. You have seen how models are produced using TensorFlow, and can be ported into light-weight frameworks, like TensorFlow Lite and Micro. You have also seen how these models can interact with various forms of input data, such as time series data from sensors and microphones, to images from a camera.

In Course 3, we have looked closely at how to deploy TinyML models within embedded systems, using the Arduino Nano 33 BLE Sense microcontroller development board as a representative host. Further still, you have already leveraged TensorFlow Micro to deploy a range of TinyML applications on heavily resource constrained hardware, creating a roadmap for end-to-end deployment.

We want everyone who completes the TinyML edX course to be confident that they can build custom TinyML applications using the knowledge they have gained. As such, we invite you all to join [the public TinyMLx community on Discourse](#) and to design your own TinyML projects beyond the scope of this class.

To help motivate you and foster assimilation to the wider TinyMLx community, **we've set up an open TinyMLx project competition with a number of prizes for exemplary work.** This project represents an opportunity to demonstrate what you have learned and we hope will give you an incentive and a forum to push beyond the course examples to introduce new use cases and applications of TinyML. We can't wait to see what you'll design and build collaboratively as a part of the growing TinyMLx community.

For more information about the optional project extension including FAQs, prizes, and submission details, please follow [this link to Vijay's Open Call for Projects on Discourse](#).