tinyML for Good

Tiny technology for the world's biggest challenges

tinyML4K12: creating a tinyML education ecosystem for young learners

Hal Speed - Robotical, Kid Spark Education, and AI4K14





Building a tinyML Pipeline for K-12

Collect Data

Preprocess Data

Design a Model

Train a Model

Evaluate Optimize Convert Model

Deploy Model

Microsoft

Make Inferences

Jupyter Notebook/Colab Arduino IDE Edge Impulse Seeed Studio Codecraft Google Teachable Machine Microsoft Lobe MakeCode ML for Kids Code.org MicroPython/ CircuitPython Scratch + Teachable Machine mBlock + Teachable Machine + Microsoft Cognitive Services

Nano 33

Wio Terminal

Pico4ML

micro:bit

others



Seeed Codecraft + Wio Terminal

