



6 Courses

**Introduction to the Internet of Things and Embedded Systems**

**The Arduino Platform and C Programming**

**Interfacing with the Arduino**

**The Raspberry Pi Platform and Python Programming for the Raspberry Pi**

**Interfacing with the Raspberry Pi**

**Programming for the Internet of Things Project**



Aug 1, 2025

**Reza Paktnat**

has successfully completed the online, non-credit Specialization

# An Introduction to Programming the Internet of Things (IOT)

Design, create, and deploy a fun IoT device using Arduino and Raspberry Pi platforms. In this Specialization covers embedded systems, the Raspberry Pi Platform, and the Arduino environment for building devices that can control the physical world. In the final Capstone Project, you'll apply the skills you learned by designing, building, and testing a microcontroller-based embedded system, producing a unique final project suitable for showcasing to future employers.

A handwritten signature in black ink that reads "Ian Harris".

Ian Harris  
Professor  
Department of  
Computer Science

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.

Verify this certificate at:

<https://coursera.org/verify/specialization/BSM8UGJv2QLU>