



Jan 4, 2021

**ABDULLAH AL MAHMOOD**

has successfully completed

**Programming for the Internet of Things Project**

an online non-credit course authorized by University of California, Irvine and offered through Coursera

A handwritten signature in black ink, which appears to read "Ian Harris", is positioned above a horizontal dotted line.

Ian Harris  
Professor  
Department of Computer Science

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/6J6E42ZYKARV](https://coursera.org/verify/6J6E42ZYKARV)

Coursera has confirmed the identity of this individual and their participation in the course.