

# VERIFIED

CERTIFICATE *of* ACHIEVEMENT



A handwritten signature in black ink, appearing to read "MBharatheesha", is placed over a light gray rectangular background.

Mukunda Bharatheesha

Post-Doctoral Researcher  
Department of Cognitive Robotics  
*Delft University of Technology*

This is to certify that

**Paweł Maciej Dudek**

successfully completed and received a passing grade in

**ROS1x: Hello (Real) World with  
ROS – Robot Operating System**

a course of study offered by DelftX, an online learning  
initiative of Delft University of Technology.



VERIFIED CERTIFICATE  
Issued 18 marca 2020

VALID CERTIFICATE ID

[571dc057bddc4576aaf7930b04eb52ad](https://courses.edx.org/certificates/571dc057bddc4576aaf7930b04eb52ad)