



Jan 15, 2022

OUAHID LAK-HAL

has successfully completed

**Introduction to TensorFlow for Artificial
Intelligence, Machine Learning, and Deep Learning**

an online non-credit course authorized by DeepLearning.AI and offered through Coursera

A stylized, handwritten signature in blue ink that reads 'Laurence Moroney'.

Laurence Moroney
Lead AI Advocate, Google

**COURSE
CERTIFICATE**



Verify at coursera.org/verify/HLDJHEMLKRRJ

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