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Muhammad Kaleem Ullah

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 handwritten signature in blue ink that reads 'Laurence Moroney'.

Laurence Moroney
Lead AI Advocate, Google

COURSE
CERTIFICATE



Verify at coursera.org/verify/XBHWZ3CUU7WD

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