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**Mostafa Saeed Hashhash**

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  
Staff AI Advocate  
Google Brain

**COURSE  
CERTIFICATE**



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

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their participation in the course.