



Aug 27, 2022

جمال عبد الحميد ناصف نويصر

has successfully completed

Improving Deep Neural Networks: Hyperparameter  
Tuning, Regularization and Optimization

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

A handwritten signature in blue ink, reading 'Andrew Ng'.

Andrew Ng, Founder, DeepLearning.AI & Co-founder, Coursera  
Kian Katanforoosh, Co-founder, Workera  
Younes Bensouda Mourri, Instructor of AI, Stanford University

COURSE  
CERTIFICATE



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