



Mar 4, 2021

TRUONG TRONG PHAM

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 blue ink signature of 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



Verify at [coursera.org/verify/FMFCJZ5NP29Y](https://coursera.org/verify/FMFCJZ5NP29Y)

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