



Dec 8, 2020

Mario Muuk

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 that reads "Andrew Ng".

Adjunct Professor Andrew Ng
Computer Science

COURSE
CERTIFICATE



Verify at coursera.org/verify/ANF924F6ESFV

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