

12/23/2018

## Mohamed Hassan Shanan

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

Adjunct Professor Andrew Ng Computer Science

## COURSE CERTIFICATE



Verify at coursera.org/verify/NDKM288KUKZT

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