

COURSE CERTIFICATE

9 Jul, 2025

## Joel Trulin

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



Ih Ng

Andrew Ng, Founder, DeepLearning.AI & Co-founder, Coursera

Verify at: https://coursera.org/verify/46YK7RLR5X80

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