

COURSE CERTIFICATE

Jan 14, 2021

## Ahmed Hamdi

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



John Ng

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

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Coursera has confirmed the identity of this individual and their  ${\tt participation\ in\ the\ course}.$