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Marwan Mostafa

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 black ink that reads "John Ng".

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

COURSE CERTIFICATE



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