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Gurpinder Singh Sidhu

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 appears to read "Andrew Ng".

Adjunct Professor Andrew Ng
Computer Science

COURSE CERTIFICATE



Verify at coursera.org/verify/JKEAH5EVL38S

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