



Mar 28, 2025

**Zubair Ali Bhutto**

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, appearing to be 'Andrew Ng'.

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

**COURSE  
CERTIFICATE**



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their participation in the course.