



Jun 5, 2023

**Sumanth Koushik Bangalore  
Manikumar**

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 blue ink signature of Andrew Ng.

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

**COURSE  
CERTIFICATE**



Verify at:

<https://coursera.org/verify/264C9QP59SXP>

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