



Stanford | ONLINE

Aug 11, 2022

Muhammad Hasan Mumtaz

has successfully completed

**Unsupervised Learning, Recommenders,
Reinforcement Learning**

an online non-credit course authorized by DeepLearning.AI and Stanford University and
offered through Coursera

A handwritten signature in blue ink that reads 'Andrew Ng'.

Andrew Ng, Instructor, DeepLearning.AI
Eddy Shyu, Curriculum Architect, DeepLearning.AI
Aarti Bagul and Geoff Ladwig, Curriculum Engineers, DeepLearning.AI

**COURSE
CERTIFICATE**



Verify at:
<https://coursera.org/verify/G7W9UM9DHPUF>

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