



**Stanford** | ONLINE

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**Ismail ÇULHA**

has successfully completed

**Unsupervised Learning, Recommenders,  
Reinforcement Learning**

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

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