



This is to certify that

Basma ABDELAALI

successfully completed and received a passing grade in

Deep Learning with TensorFlow

(ML0120EN, provided by IBM)

A course on **cognitiveclass.ai**

Powered by IBM Developer Skills Network.

Issued by
Cognitive Class

December 25, 2021

Authenticity of this certificate can be validated by going to:

<https://courses.cognitiveclass.ai/certificates/303f5f68f3d141f5b887bee30bb172d8>

Certificate ID Number: 303f5f68f3d141f5b887bee30bb172d8

December 25, 2021