



This is to certify that

**João Alexandre Mateus Luna
António**

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

January 1, 2023

Authenticity of this certificate can be validated by going to:
<https://courses.cognitiveclass.ai/certificates/f224b51e6ddf4e67b99a27c0a99c68cf>