

# PROFESSIONAL CERTIFICATE



This is to certify that

**Jacob Miller**

successfully completed all courses and received  
passing grades for a Professional Certificate in

**Deep Learning**

a program offered by IBM, in collaboration with  
edX.

**Rav Ahuja**  
Chief Program Manager  
Skills Network, IBM  
IBM



PROFESSIONAL CERTIFICATE  
Issued January 2019

VALID CERTIFICATE ID  
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