

# VERIFIED

CERTIFICATE of ACHIEVEMENT



A handwritten signature in black ink, appearing to read "A. Aklson".

Alex Aklson, Ph.D.

Data Scientist

*IBM Developer Skills Network*

This is to certify that

**Jacob Miller**

successfully completed and received a passing grade in

**DL0101EN: Deep Learning Fundamentals with Keras**

a course of study offered by IBM, an online learning initiative of IBM through edX.



VERIFIED CERTIFICATE  
Issued October 2, 2018

VALID CERTIFICATE ID  
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