

# VERIFIED

CERTIFICATE of ACHIEVEMENT



This is to certify that

**Alexander Bermúdez Muñoz**

successfully completed and received a passing grade in

**DAT256x: Essential Math for Machine Learning:  
Python Edition**

a course of study offered by Microsoft, an online learning initiative of Microsoft Corporation.

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

**Satya Nadella**

Chief Executive Officer

*Microsoft Corporation*

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

**Karen Kocher**

General Manager

21st Century Jobs, Skills and Employability

*Microsoft Corporation*



VERIFIED CERTIFICATE  
Issued November 10, 2019

VALID CERTIFICATE ID  
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