

VERIFIED

CERTIFICATE of ACHIEVEMENT



Microsoft

A handwritten signature in black ink.

Satya Nadella

Chief Executive Officer

Microsoft Corporation

A handwritten signature in black ink.

Karen Kocher

General Manager

21st Century Jobs, Skills and Employability

Microsoft Corporation

This is to certify that

Michael Kutscher

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 through edX.



VERIFIED CERTIFICATE
Issued February 28, 2019

VALID CERTIFICATE ID
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