

VERIFIED

CERTIFICATE *of* ACHIEVEMENT



This is to certify that

Ryan Alexander Berberian

successfully completed and received a passing grade in

DAT256x: Essential Mathematics for Artificial Intelligence

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

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

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 May 6, 2018

VALID CERTIFICATE ID

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