

VERIFIED

CERTIFICATE *of* ACHIEVEMENT



This is to certify that

Mark P Farrell

successfully completed and received a passing grade in

DAT101x: Data Science Orientation

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 "Björn Rettig".

Björn Rettig
Senior Director
Technical Content

Microsoft Corporation

The edX logo, with "ed" in red and "X" in blue, followed by the text "VERIFIED CERTIFICATE" and "Issued June 14, 2016".

VALID CERTIFICATE ID
[d13e48f5f2904194b33e8a55826bdebc](#)