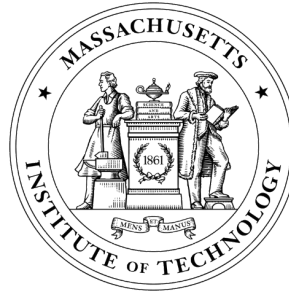




Massachusetts Institute of Technology



This is to certify that

Joshua Carisma

has successfully completed

Professional Certificate in Data Science and Analytics

Awarded 36 Continuing Education Units (CEUs)

August 2024

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

Eric Grimson

Vice President for Open Learning
Massachusetts Institute of Technology

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

Vivek Farias

Patrick J. McGovern (1959) Professor
Professor of Operations Management
MIT Sloan School of Management