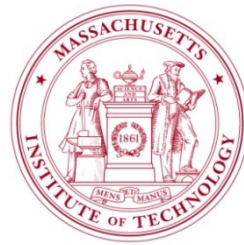


Massachusetts Institute of Technology

This is to certify that

Karim El Murr



has successfully completed

Tackling the Challenges of Big Data

July 7 – August 18, 2015
(20 hours)

An online program developed by the faculty of the MIT Computer Science and Artificial Intelligence Laboratory
in collaboration with MIT Professional Education and edX.



Bhaskar Pant
Executive Director
MIT Professional Education



Daniela Rus
Professor & Director
MIT Computer Science and
Artificial Intelligence Laboratory



Sam Madden
Professor & Director, Big Data Initiative,
MIT Computer Science and
Artificial Intelligence Laboratory