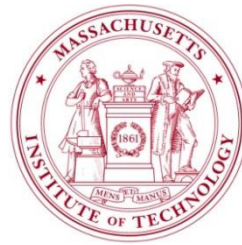


# Massachusetts Institute of Technology

*This is to certify that*

## Hassan



*has successfully completed*

## Tackling the Challenges of Big Data

November 4 – December 16, 2014  
(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