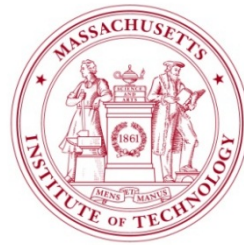


# Massachusetts Institute of Technology

*This is to certify that*

## Raul Rodas



*has successfully completed*

## Tackling the Challenges of Big Data

February 3 – March 17, 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.

A handwritten signature in black ink, reading "Bhaskar Pant".

---

**Bhaskar Pant**  
Executive Director  
MIT Professional Education

A handwritten signature in black ink, reading "Daniela Rus".

---

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

A handwritten signature in black ink, reading "Sam Madden".

---

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