



# CERTIFICATE *of* ACHIEVEMENT



*Anthony D. Joseph*

**Anthony D. Joseph**

Professor in Electrical Engineering and Computer Science  
*University of California, Berkeley*

Technical Advisor  
*Databricks*

*Ameet Talwalkar*

**Ameet Talwalkar**

Assistant Professor of Computer Science  
*University of California, Los Angeles*

Visiting Assistant Professor in Electrical Engineering  
and Computer Science  
*University of California, Berkeley*

Technical Advisor  
*Databricks*

*Diana Wu*

**Diana Wu**

Executive Director  
Berkeley Resource Center for Online Education  
*University of California, Berkeley*

**Berkeley**

مصطفى احمد محمد عباس رشوان

successfully completed all courses in the XSeries

## Big Data

a series of two courses offered by BerkeleyX through edX.

XSERIES CERTIFICATE  
Issued August 12, 2015

Verify the authenticity of this certificate at  
<https://verify.edx.org/cert/6545e07734cd4cd5bc4b049be1a50be1>