



# CERTIFICATE *of* ACHIEVEMENT



**Ameet Talwalkar**

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

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

Technical Advisor  
*Databricks*

This is to certify that

**Pandu Ranga Rao Mutyala**

successfully completed and received a passing grade in

**CS190.1x: Scalable Machine Learning**

a course of study offered by BerkeleyX, an online learning  
initiative of The University of California, Berkeley through edX.

VERIFIED CERTIFICATE  
Issued August 06, 2015

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