



This is to certify that

Balasubramanian Chandran

successfully completed and received a passing grade in

Machine Learning - Dimensionality Reduction

(ML0109EN, provided by Big Data University)

an online course on Cognitive Class.

Issued on:

December 30, 2016

Authenticity of this certificate can be validated by going to:

https://courses.cognitiveclass.ai/certificates/962f03595d0243d1b6aa54f1e72d9a00