



This is to certify that

Sameer Dev

successfully completed and received a passing grade in

MapReduce and YARN

(BD0115EN, provided by Big Data University)

an online course on Cognitive Class.

January 30, 2019

Authenticity of this certificate can be validated by going to: https://courses.cognitiveclass.ai/certificates/f14af8913ae24930bfcf363f4c2da11b