



Oct 6, 2019

Muhammad Amin Nadim

has successfully completed

**Scalable Machine Learning on Big Data using
Apache Spark**

an online non-credit course authorized by IBM and offered through Coursera

A handwritten signature in blue ink, appearing to read "R. Kienzler".

Romeo Kienzler
Chief Data Scientist
IBM Watson IoT

**COURSE
CERTIFICATE**



Verify at coursera.org/verify/T2WUN362TD2E

Coursera has confirmed the identity of this individual and their
participation in the course.