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Muhammad Umair Shahid

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/LPMCCN64CLW9

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