



04/27/2020

# Arnab Das

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 black ink, appearing to read 'R. Kienzler'.

Romeo Kienzler  
Chief Data Scientist  
IBM Watson IoT

### COURSE CERTIFICATE



Verify at [coursera.org/verify/ESXV8F2YR678](https://coursera.org/verify/ESXV8F2YR678)

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