



05/04/2020

Victor René Nitu

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', is positioned above a horizontal dotted line.

Romeo Kienzler
Chief Data Scientist
IBM Watson IoT

**COURSE
CERTIFICATE**



Verify at coursera.org/verify/4RVMYDMV2TWK
Coursera has confirmed the identity of this individual and
their participation in the course.



04/27/2020

Victor René Nitu

has successfully completed

Machine Learning with Python

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

A handwritten signature in black ink that reads "Saeed A." followed by a period.

Saeed Aghabozorgi
Sr. Data Scientist
IBM

A handwritten signature in black ink that reads "Joseph Santarcangelo" in a cursive style.

Joseph Santarcangelo
Senior Data Scientist
IBM

COURSE
CERTIFICATE



Verify at coursera.org/verify/XVATL3FEWKFV
Coursera has confirmed the identity of this individual and
their participation in the course.