



Aug 29, 2024

LUIS GUERRA RUIZ

has successfully completed

Machine Learning with Apache Spark

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

Rav Ahuja
Global Program Director
IBM Skills Network

Ramesh Sannareddy
Data Engineering Subject Matter Expert
Skill-up Technologies

**COURSE
CERTIFICATE**



Verify at:

<https://coursera.org/verify/0XK8VQVSETI8>

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