



May 2, 2026

Youssef Haddar

has successfully completed

Introduction to Big Data with Spark and Hadoop

an online course authorized by IBM and offered through Coursera

Aije Egwaikhide
Romeo Kienzler
Rav Ahuja

COURSE CERTIFICATE



Verify at:

<https://coursera.org/verify/I6172FTPNBPE>

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

This certificate attests to the learner's completion of an online course / project delivered via Coursera. It does not constitute formal enrollment at any university or entity and does not itself grant academic credit, grades, or a degree. Institutions or organizations may, at their discretion, recognize this learning toward their own programs or credentials.