



Feb 21, 2023

Middi Amruta

has successfully completed

Introduction to Big Data with Spark and Hadoop

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

Karthik Muthuraman
Software Engineer (Machine Learning)
IBM Center for Open-Source Data and AI Technologies

Aije Egwaikhide
Senior Data Scientist
IBM

**COURSE
CERTIFICATE**



Verify at:

<https://coursera.org/verify/P78274EPHUZD>

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