



May 9, 2024

Harsh Raj

has successfully completed

Introduction to Big Data with Spark and Hadoop

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

Three handwritten signatures in black ink, appearing to be "Aije", "Romeo", and "Rav".

Aije Egwaikhide
Romeo Kienzler
Rav Ahuja

**COURSE
CERTIFICATE**



Verify at:
<https://coursera.org/verify/JRKVWZSF938G>

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