



This is to certify that

**Manish Kumawat**

successfully completed and received a passing grade in

# **Big Data Technologies - Spark & Scala Fundamentals**

(CESPSC1IN, provided by IBM)

A course on [ibmcep.cognitiveclass.ai](https://ibmcep.cognitiveclass.ai)  
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A handwritten signature in blue ink, appearing to read "Jagadisha Bhat".

Jagadisha Bhat

Country Manager - Software Services  
IBM India Pvt Ltd

**September 23, 2025**

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