



3 Courses

Introduction to NoSQL  
Databases

Introduction to Big Data  
with Spark and Hadoop

Machine Learning with  
Apache Spark



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**Sathvik Nayak**

has successfully completed the online, non-credit Specialization

# NoSQL, Big Data, and Spark Foundations

The earner of this certificate has demonstrated mastery of fundamental NoSQL and Big Data skills. This includes working with NoSQL databases- MongoDB, IBM Cloudant, & Apache Cassandra - to perform tasks like CRUD operations. As well as foundational knowledge of Big Data tools & ecosystem including Apache Hadoop, Apache Hive, HDFS, MapReduce, Apache Spark, Spark SQL, Spark Structured Streaming, Spark ML, scaling Spark with Kubernetes, and Monitoring and Performance Tuning Spark jobs. This program focused on developing hands-on practical skills and culminated with a project involving ETL processing and Machine Learning model deployment using Spark. The learner is now proficient with the skills and knowledge for essential big data management tasks and challenges requiring NoSQL and Spark.

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.

Rav Ahuja  
Global Program  
Director  
IBM Skills Network

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