



Certificate no: UC-05c7cce1-803b-4788-a7be-6c1b8f5b5d73

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CERTIFICATE OF COMPLETION

Apache Spark 3 - Spark Programming in Python for Beginners

Instructors **Prashant Kumar Pandey, Learning Journal**

Raghu Vijaykumar

Date **Aug. 7, 2023**

Length **9 total hours**