



This is to certify that

Saurav Das

successfully completed and received a passing grade in

Spark Fundamentals I (BD0211EN, provided by BigDataUniversity)

A course on **cognitive class.ai**Powered by **IBM Developer Skills Network**.

Issued by **Cognitive Class**

May 24, 2023

Authenticity of this certificate can be validated by going to:

https://courses.cognitiveclass.ai/certificates/2fb60943ea7548019a41bef25da122bd

Certificate ID Number: 2fb60943ea7548019a41bef25da122bd May 24, 2023