



This is to certify that

**Johrel Martins Pereira**

successfully completed and received a passing grade in

**Spark Fundamentals II**  
(BD0212EN, provided by IBM)

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

Issued by  
**Cognitive Class**

**Mai 8, 2023**

Authenticity of this certificate can be validated by going to:  
<https://courses.cognitiveclass.ai/certificates/be04cdabc5118486bbfc042bfd03ea754>