



This is to certify that

## Thiago Gonçalves Guimarães Lopes

successfully completed and received a passing grade in

Hadoop 101 (BD0111EN, provided by IBM)

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

Issued by Cognitive Class

Março 18, 2021

Authenticity of this certificate can be validated by going to: https://courses.cognitiveclass.ai/certificates/d6b52d32d36f4be8a773dd22af03657a

Número de ID do certificado: d6b52d32d36f4be8a773dd22af03657a

Março 18, 2021