



This is to certify that

Jorge Estivent Cruz Mahecha

successfully completed and received a passing grade in

Python 101 for Data Science (PYO101EN, provided by IBM)

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

Issued by Cognitive Class

Cognitive Class

October 23, 2022

Authenticity of this certificate can be validated by going to:

https://courses.cognitiveclass.ai/certificates/8bfa7cadcb7c4b9bacd44d180baf8154