



This is to certify that

NAHUM RANGEL MAGANA

successfully completed and received a passing grade in

Big Data 101

(BD0101EN, provided by Cognitive Class)

an online course on Cognitive Class.

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Authenticity of this certificate can be validated by going to: https://courses.cognitiveclass.ai/certificates/8f0f024e90d44082a14e1630e3b30841

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