



This is to certify that

Muh. Rizal Kurniawan Nur

successfully completed and received a passing grade in

Python 101 for Data Science

(PY0101EN, provided by Cognitiveclass)

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/4572742f2874439799fd365b0d460f93