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This is to certify that

Arunkumar E

successfully completed and received a passing grade in

Python 101 for Data Science

(PY0101EN, provided by **Cognitiveclass**)

an online course on **Cognitive Class**.

July 18, 2019

Authenticity of this certificate can be validated by going to:
https://courses.cognitiveclass.ai/certificates/f245f11e211d494f9c85c0b676ea922a