



This is to certify that
karimulla begam Ch
successfully completed and received a passing grade in

Python 101 for Data Science

(PY0101EN, provided by IBM)

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

Issued by
Cognitive Class

Cognitive Class

December 6, 2021

Authenticity of this certificate can be validated by going to:
<https://courses.cognitiveclass.ai/certificates/969c42ff49554db79bafec705e961756>