



This is to certify that

Amal Joseph

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

June 11, 2023

Authenticity of this certificate can be validated by going to:
<https://courses.cognitiveclass.ai/certificates/2350f1aec62e44009e66f925630855fe>

Certificate ID Number: 2350f1aec62e44009e66f925630855fe

June 11, 2023