



This is to certify that

raparathi swaroop

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

March 31, 2025

Authenticity of this certificate can be validated by going to:
<https://courses.cognitiveclass.ai/certificates/999f4181c67d4c4ba50c2e8d7898eab0>

