



This is to certify that

Mr.Hasaan_47yT

successfully completed and received a passing grade in

Python 101 for Data Science

(PY0101EN, provided by IBM)

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

Issued by Cognitive Class

Cognitive Class

July 8, 2025

Authenticity of this certificate can be validated by going to: https://courses.cognitiveclass.ai/certificates/e1f252257f8a493fa85ffa8c04c04251