



This is to certify that

Muhammad Ahmed Numan

successfully completed and received a passing grade in

Data Analysis with Python

(DAO101EN, provided by IBM)

A course on cognitiveclass.ai

Powered by IBM Developer Skills Network.

Issued by
Cognitive Class

January 25, 2026

Authenticity of this certificate can be validated by going to:
<https://courses.cognitiveclass.ai/certificates/441d39006c6de479cac1d92166c2e341a>