



This is to certify that

Mallala Sai Venkata Karthik

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

February 20, 2025

Authenticity of this certificate can be validated by going to: