



This is to certify that

KARTHICK S

successfully completed and received a passing grade in

Data Science Tools
(DS0105EN, provided by IBM)

A course on ictacademy.skillsnetwork.site
Powered by IBM Developer Skills Network.

Issued by
ICT Academy

A handwritten signature in black ink, appearing to read 'R. Kienzler'.

Romeo Kienzler
Chief Data Scientist
IBM

A handwritten signature in black ink, appearing to read 'Maureen McElaney'.

Maureen McElaney
Developer Advocate
IBM

Svetlana Levitan

Svetlana Levitan

Senior Developer Advocate with IBM Center for Open Data and AI Technologies
IBM

November 22, 2022

Authenticity of this certificate can be validated by going to:

<https://courses.ictacademy.skillsnetwork.site/certificates/8862664155604b3fac7d2b0e52ed898b>

Certificate ID Number: 8862664155604b3fac7d2b0e52ed898b

November 22, 2022