



This is to certify that

KARTHIKEYAN MU

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', located above the name of the Chief Data Scientist.

Romeo Kienzler
Chief Data Scientist
IBM

A handwritten signature in black ink, appearing to read 'Maureen McElaney', located above the name of the Developer Advocate.

Maureen McElaney
Developer Advocate
IBM

Svetlana Levitan

Svetlana Levitan

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

November 20, 2022

Authenticity of this certificate can be validated by going to:

<https://courses.ictacademy.skillsnetwork.site/certificates/2c3bb48c6b3a47c181d1e12d31ba81c0>

Certificate ID Number: 2c3bb48c6b3a47c181d1e12d31ba81c0

November 20, 2022