



Nov 8, 2022

Marcos Nepomuceno Costa

has successfully completed

Essential Linear Algebra for Data Science

an online non-credit course authorized by University of Colorado Boulder and offered through Coursera

A handwritten signature in black ink, appearing to read 'James Bird'.

James Bird
Instructor
Data Science & Applied Mathematics

COURSE CERTIFICATE



Verify at:
<https://coursera.org/verify/PD67PKDD7UT5>

Coursera has confirmed the identity of this individual and their participation in the course.