



University of Colorado
Boulder

Oct 23, 2025

TRUC NGO

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/6AURMU8L78S9>

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