



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 that appears to read "James Bird".

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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.