

This is to certify that

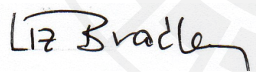
UDAY BHANU SINGH

has successfully completed the Santa Fe Institute's Massive Open Online Course

Nonlinear Dynamics: Mathematical and
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July 23, 2026



Liz Bradley, Lead Instructor



David Krakauer, Santa Fe Institute President