



This is to certify that Delta Ele-

Hayden Karas

successfully completed and received a passing grade in

6.86x: Machine Learning with Python-From Linear Models to Deep Learning

a course of study offered by MITx, an online learning initiative of the Massachusetts Institute of Technology.

Regina Barzilay

Delta Electronics Professor of Electrical Engineering and Computer
Science

Massachusetts Institute of Technology

Tommi Jaakkola

Janua Gulleto

Thomas Siebel Professor of Electrical Engineering and Computer Science and the Institute for Data, Systems, and Society Massachusetts Institute of Technology

Dimitris Bertsimas

Vice Provost for Open Learning

Massachusetts Institute of Technology

Chris Capozzola

Senior Associate Dean for Open Learning; Professor of History

Massachusetts Institute of Technology



Verified Certificate Issued May 18, 2025 Valid Certificate ID af0e20456c3e41b898c9dfe7c82c86b1