freeCodeCamp(🔥)

This certifies that

ismailchakrane

successfully completed the

Machine Learning with Python

Developer Certification on May 15, 2025

representing approximately 300 hours of work

Quincy Larson

Quincy Larson

Executive Director, freeCodeCamp.org

Verify this certification at:

https://freecodecamp.org/certification/ismailchakrane/machine-learning-with-python-v7