



Feb 13, 2022

Youssef Salah Hamed

has successfully completed

Python Data Structures

an online non-credit course authorized by University of Michigan and offered through
Coursera

A handwritten signature in black ink, appearing to read 'Charles', followed by a horizontal line.

Charles Severance
Clinical Professor, School of Information
University of Michigan

COURSE
CERTIFICATE



Verify at:
<https://coursera.org/verify/GTMYEWQFFH3J>

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