



THIS IS TO CERTIFY THAT
EYAS GAFFAR ABDELRAHEEM OSMAN
HAS SUCCESSFULLY COMPLETED
**DATA SCIENCE AND MACHINE LEARNING: MAKING
DATA-DRIVEN DECISIONS**

October, 2021



A handwritten signature in black ink, appearing to read 'M. Dahleh'.

Munther Dahleh

Professor and Director of the Institute for Data, Systems, and Society (IDSS) at MIT