



CERTIFICATE OF ACHIEVEMENT

PROUDLY PRESENTED TO

Utkarsh Manchanda

For the successful completion of the final examination and additional course requirements of

Effective Python Programming for Exploration and Production,

a short course offered by Arab Oil and Gas Academy on February 2021.

This certificate was awarded on behalf of Arab Oil and Gas Academy,
founded by PioPetro of Marietta College and the SPE Egypt Section.

PROF. BEN EBENHACK

Chair of Petroleum Engineering
and Geology, Marietta College

Course instructor

Yohanes Nuwara

Eng. Yohanes Nuwara

Distributed Acoustic Sensing
| Python Mentor for E&P

ENG. ASHRAF ABD ELGAWAD

SPE Egypt Section Chairperson