



**IEEE 4th International Conference on Computing and Machine
Intelligence**
April 05-06, 2025
Central Michigan University

CERTIFICATE

of Participation

This certificate is presented to
Fatemeh Sadat Masoumi

For participating and presenting the
paper titled:

Boosting Hierarchical Reinforcement Learning with
Meta-Learning for Complex Task Adaptation

A handwritten signature in blue ink, appearing to be "Ah".

General Chair
Ahmed Abdelgawad, PhD