**ICMI 2025**

**IEEE**

**IEEE Northeast Michigan USA**

**CENTRAL MICHIGAN UNIVERSITY**

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

# CERTIFICATE

## of Participation

**This certificate is presented to**

**Mustafa Al-Taee**

**For participating and presenting the paper titled:**

**The Impact of Data Augmentation on Deepfake Detection: A Comparative Study of CNN and Transformer Models**

**General Chair**
**Ahmed Abdelgawad, PhD**