



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

# **CERTIFICATE**

## **of Participation**

**This certificate is presented to**  
**Fahmi Khalifa**

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

**Optimizing Breast Cancer Detection with  
Transformer Models and Canonical Correlation  
Analysis**

A handwritten signature in blue ink, appearing to be "Ah", located above the name of the General Chair.

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