



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

CERTIFICATE of Participation

This certificate is presented to
Fouad Lamghari

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

**AI-Driven Early Detection of Crop Diseases Using
Computer Vision and Federated Learning**

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

General Chair
Ahmed Abdelgawad, PhD