



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

CERTIFICATE of Participation

This certificate is presented to
Ganapathy Subramanian Ramachandran

For participating and presenting the
paper titled:

Designing Scalable Real-Time Web Applications for
Seamless User Experiences

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

General Chair
Ahmed Abdelgawad, PhD