



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

CERTIFICATE of Participation

This certificate is presented to
Md. Mahdi Hossain Hira

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

**Deep Learning-Based Sentiment Analysis of Social
Media and E-commerce Reviews**

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

General Chair
Ahmed Abdelgawad, PhD