



Central Michigan University
Michigan, USA

ICMI-2024

3rd International Conference on Computing
and Machine Intelligence
April 13-14, 2024

PARTICIPATION CERTIFICATE

This is to certify that

Abdullah Y Nur

has participated in ICMI-2024 conference and presented
a paper titled:

**Advancing Network Anomaly Detection: An Ensemble
Approach Combining Optimized Contractive
Autoencoders and K-Means Clustering**

A handwritten signature in blue ink, appearing to read "Ahmed", positioned above the name of the General Chair.

Dr. Ahmed Abdelgawad

General Chair



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