



IEEE 4th International Conference on Computing and Machine
Intelligence
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Central Michigan University

CERTIFICATE of Participation

This certificate is presented to
Apoorva Rumale

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

**HART: A Hybrid Addressing Scheme for Self-
Balancing Binary Search Trees in Phase Change
Memory (PCM)**

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

General Chair
Ahmed Abdelgawad, PhD