



**2nd International Conference on Artificial Intelligence,
Blockchain, and Internet of Things,
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CERTIFICATE OF PARTICIPATION


This is to certify that the following participants:

Emmanuel Essel

Presented the paper titled:

**Optimizing Resource Utilization and Power Efficiency in FPGA-Accelerated YOLOv8 Object Detection Using
Vivado High-Level Synthesis (HLS) Tool**

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İ S T A N B U L


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