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The Board of  
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Is hereby awarding this certificate to

**Dr. Rolly Gupta**

In recognition of the publication of the paper entitled

**Network Intrusion Detection Systems: A Comprehensive and Human-Centric  
Review of Machine Learning and Deep Learning Approaches**

Published in Volume 10 Issue 11, November-2025

*Co-Authors - Mohd Hamza, Lakshya Bhatt, Avikal  
Bhatt*

**Paper ID - IJRTI2511049**

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