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## Certificate

*It is here by certified that the paper ID : IJRASET62669, entitled  
Dynamic Gradient Scaling: A Fine-Grained Approach to Optimizing Large Language  
Models in Deep Learning*

*by  
Logan Mann*

*after review is found suitable and has been published in  
Volume 12, Issue V, May 2024  
in*

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*Good luck for your future endeavors*

*By [Signature]*

Editor in Chief, IJRASET