IJARSCT
ISSN (Online) 2581-9429
International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)
International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal
Impact Factor: 7.53
Volume 4, Issue 3, June 2024

The Evolution and Impact of Google Cloud Platform in Machine Learning and AI

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Abstract: *Google Cloud Platform (GCP) has emerged as a leader in Machine Learning (ML) and Artificial Intelligence (AI), known for its cutting-edge technologies and inclusive accessibility. GCP not only drives innovation but also democratizes access to powerful ML and AI tools, empowering organizations of all sizes to harness data-driven insights for enhanced innovation, efficiency, and scalable growth. GCP's impact transcends technological advancements, representing a significant shift in digital transformation across diverse industries.*

This paper delves into GCP's transformative influence through real-world examples and practical applications across sectors such as healthcare, finance, retail, and entertainment. By showcasing GCP's scalable computing resources and robust data analytics capabilities, it illuminates how these technologies enable businesses to discover new opportunities and operational efficiencies. GCP's holistic approach to ML and AI fosters a culture of continuous innovation, empowering enterprises to excel in the era of intelligent computing and data-driven decision-making.

Keywords: Google Cloud Platform, Machine Learning, Artificial Intelligence, TensorFlow, AutoML, BigQuery ML, AI Platform, Cloud Computing, Data Science, Deep Learning, Neural Networks, Industry Applications

DOI: 10.48175/IJARSCT-18908
ISSN 2581-9429 IJARSCT