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NAVIGATING THE FUTURE: A COMPREHENSIVE ANALYSIS OF AI, ML, ERP, AND ORACLE INTEGRATION IN FINANCIAL DIGITAL TRANSFORMATION

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Abstract

This study examines the integration of AI, Machine Learning (ML), Enterprise Resource Planning (ERP), and Oracle technologies in finance digital transformation. The inquiry focuses on the collaborative impact of these technologies, revealing crucial results and insights that highlight their transformational potential. The report demonstrates the interconnectedness of AI, ML, ERP, and Oracle technologies, highlighting their cumulative impact on predictive analytics, risk management, fraud detection, business process optimisation, and data synchronisation inside financial institutions. The findings of the investigation highlight the importance of these technologies in supporting data-driven decision-making, increasing operational efficiency, and boosting overall financial performance. The report also digs into new financial technology trends, offering a view into the future of AI, machine learning, ERP, and Oracle technology. It emphasises their expanding significance in transforming company models, consumer experiences, and market dynamics. The findings highlight the revolutionary influence of personalised client interactions, new business models, and collaborative industry ecosystems, which place financial institutions at the forefront of technological progress. The analysis's recommendations include technological, organisational, and cultural issues, with an emphasis on continual technological review, strategic alignment, and the development of a flexible and inventive organisational culture. The report emphasises the significance of comprehensive integration plans that capitalise on the synergies between various technologies, providing financial institutions with a road map for effective digital transformation.

Author Keywords

Financial Digital Transformation, AI and ML Integration, ERP and Oracle Technologies, Predictive Analytics in Finance and Technological Synergies in Financial Institutions

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