

DATA-DRIVEN BUSINESS TRANSFORMATION: IMPLEMENTING ENTERPRISE DATA STRATEGIES ON CLOUD PLATFORMS

Gokul Subramanian¹, Vanitha Sivasankaran Balasubramaniam², Niharika Singh³, Phanindra Kumar⁴, Om Goel⁵ & Prof. (Dr) Sandeep Kumar⁶

¹Pune University, Pune India

²Georgia State University, Georgia, USA

³ABES Engineering College Ghaziabad, India

⁴Kankanampati, Binghamton University, USA

⁵ABES Engineering College Ghaziabad, India

⁶Koneru Lakshmaiah Education Foundation Vadeshawaram, A.P., India

ABSTRACT

In today's competitive landscape, data-driven business transformation plays a crucial role in fostering innovation and enabling enterprises to remain agile. The implementation of robust enterprise data strategies on cloud platforms has emerged as a key enabler for organizations seeking scalability, operational efficiency, and real-time decision-making. This study explores the critical role of cloud-based data architectures in developing intelligent and sustainable business models. Cloud platforms offer a secure and scalable environment for data integration, allowing enterprises to consolidate fragmented datasets across various business functions. By leveraging cloud infrastructure, businesses can enhance data accessibility, automate workflows, and reduce operational bottlenecks.

This paper also highlights how cloud platforms support the use of advanced analytics, artificial intelligence, and machine learning models, transforming raw data into actionable insights. With a focus on governance, security, and compliance, the study delves into the best practices for managing data throughout its lifecycle within a cloud ecosystem. Additionally, the integration of enterprise resource planning (ERP) and data management tools within cloud environments is discussed, illustrating how seamless data strategies contribute to business continuity and long-term growth.

The findings suggest that cloud-based enterprise data strategies empower organizations to enhance customer engagement, streamline operations, and facilitate innovation. The paper concludes that adopting a cloud-first approach for data strategies not only mitigates risks but also drives digital transformation by enabling predictive analytics and fostering business resilience in dynamic markets. This research emphasizes that businesses embracing data-driven transformation on the cloud are better equipped to respond to evolving market demands and maintain a competitive edge.

KEYWORDS: *Data-Driven Transformation, Cloud Platforms, Enterprise Data Strategies, Data Integration, Operational Efficiency, Real-Time Analytics, Artificial Intelligence, Machine Learning, Business Innovation, Data Governance, ERP Integration, Predictive Analytics, Digital Transformation, Business Resilience, Competitive Advantage*

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