



What role does e-commerce play in reshaping the future of traditional retail in developing economies?

¹Suhaan Bahri

¹Podar International College

ABSTRACT

The rapid expansion of e-commerce has significantly transformed the retail landscape in developing economies by altering consumer purchasing behaviour, competitive structures, and traditional retail practices. This paper examines the growth of e-commerce and its evolving relationship with traditional retail, with particular emphasis on emerging markets such as India. The study explores how increasing internet penetration, smartphone usage, digital payments, and changing consumer expectations are accelerating the transition towards digital retail. It further analyses the challenges faced by brick-and-mortar retailers, including changing customer preferences, price competition, reduced physical-store dependence, and the need for technological adaptation. At the same time, e-commerce creates opportunities for traditional retailers through wider market access, digital marketing, online sales channels, and technology-enabled business operations. The study highlights the emergence of hybrid and omnichannel retail models in which physical stores and digital platforms operate as complementary channels rather than purely competing systems. The analysis suggests that the future of retail in developing economies is increasingly characterised by integration between online and offline channels, supported by digital technologies, flexible supply chains, and evolving consumer preferences.

Keywords: E-commerce, Traditional Retail, Developing Economies, Emerging Markets, Digital Transformation, Consumer Behaviour, Omnichannel Retailing, Hybrid Retail Models, Digital Payments, Retail Innovation

1. INTRODUCTION

Since several decades, retail has played a vital role in connecting buyers and suppliers together and provides a platform where customers can view the products face to face before making a purchase. However, recently the crucial role of retail has been slowly filled by the booming expansion of e-commerce. The rapid growth of e-commerce has fundamentally transformed the retail environment in developing economies, challenging traditional business models while simultaneously creating new opportunities for innovation, market expansion and digital integration.

The intersection of internet access, smartphone usage, and digital payments has created an unprecedented global digital economy. In India alone, this ecosystem now contributes over 13% to the national GDP, driven by over 960 million internet connections and more than 750 million smartphone users. The exponential rise in online shopping is driven by the desire for unmatched convenience, better pricing, and infinite product variety. Consumers can now research, compare, and purchase goods globally from their mobile devices with just a few



clicks. The retail sector is an economic engine in developing countries, typically accounting for 10% to 15% of the total job market and a major share of the national GDP. It serves as a critical driver for employment, localized entrepreneurship, and broader infrastructure modernization across emerging markets.

Traditional retailers face increasing competition from e-commerce as digital platforms offer unparalleled convenience, algorithmic personalization, and aggressive price transparency. To survive, brick-and-mortar stores must leverage their physical presence to offer unique experiences that online platforms cannot replicate. Traditional economic studies have long overlooked the intertwined nature of e-commerce and brick-and-mortar retail in emerging markets, such as in India, where 85% of the market is unorganized. Addressing this gap requires an integrated omnichannel framework that measures how online platforms and local physical stores collaborate rather than compete. In developing economies, e-commerce and traditional retail are converging to create hybrid models. Instead of replacing mom-and-pop shops, digital platforms are empowering them. By leveraging local micro-fulfilment, unified fintech solutions, and social commerce, traditional retailers act as community-based hubs alongside digital logistics networks to serve vast, hyper-local populations.

Though there's an extensive amount of research surrounding e-commerce development and consequences, the vast majority of studies have concentrated primarily upon retail or upon e-commerce individually, or as existent competitors against one another. This research paper intends to address the existing gap in literature through analysis of the revolution of e-commerce versus traditional retail in emerging markets. Through e-commerce technology, business models and other advancements, the methods through which many customers purchase goods within the brick-and-mortar arena are evolving. We focus on Emerging Markets because they possess current technology, infrastructure and socioeconomic conditions. This assists us in determining how both online and offline retail can co-exist and what the future may hold in terms of the evolution of e-commerce and traditional retail on a global scale. The results of this research help us to gain insight into both the landscape of retail as a whole, as well as the relationship between e-commerce and traditional retail.

2. THEORY

Understanding how e-commerce is replacing traditional retail

While previous studies have largely concentrated on the competitive relationship between e-commerce and traditional retail, this study moves beyond the conventional "e-commerce versus retail" perspective. Instead, it investigates how e-commerce is influencing, transforming, and integrating with traditional retail in developing economies, leading to the emergence of hybrid retail models and new business strategies.

However, fewer studies examine how e-commerce is reshaping and transforming traditional retail in developing economies. However, relatively few studies have investigated the manner in which e-commerce is reshaping and transforming traditional retail in developing economies. Despite the growing body of literature on e-commerce, limited research has examined its role in influencing and restructuring traditional retail systems in developing economies. Nevertheless, there remains a significant gap in understanding how e-commerce



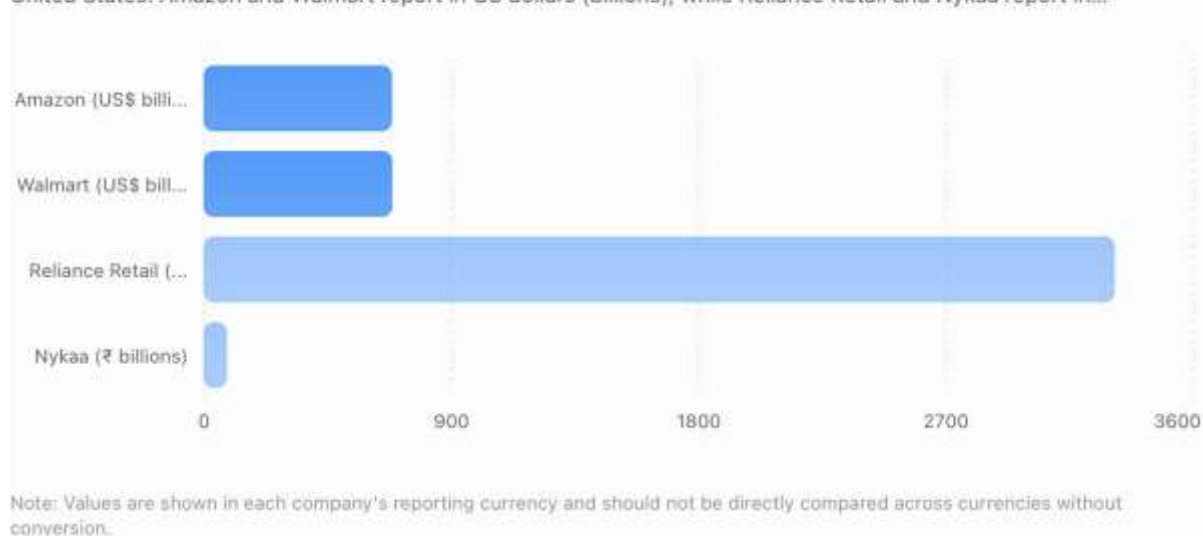
is transforming traditional retail in developing economies, where unique technological, infrastructural, and socioeconomic conditions shape the evolution of the retail sector. However, existing research provides limited insight into the dynamic relationship between e-commerce and traditional retail, particularly in developing economies where both sectors are increasingly evolving toward integrated and hybrid models. My paper investigates not only competition between the two sectors but also adaptation, integration, and the emergence of hybrid retail models.

Therefore, this study moves beyond the conventional “e-commerce versus retail” perspective by investigating not only the competitive dynamics between the two sectors but also the processes of adaptation, integration, and the emergence of hybrid retail models. By examining how traditional retailers respond to digital transformation and changing consumer preferences, this research seeks to provide a comprehensive understanding of the evolving relationship between e-commerce and traditional retail in developing economies.

Company	Country	Business Type	FY2024 Revenue	FY2025 Revenue	Growth
Amazon	USA	E-commerce	US\$638.0 B	US\$680.0 B	6.6%
Walmart	USA	Traditional Retail	US\$648.1 B	US\$681.0 B	5.1%
Reliance Retail	India	Traditional Retail	₹3.07 lakh crore	₹3.31 lakh crore	7.8%
Nykaa	India	E-commerce	₹6,386 crore	₹7,950 crore	24.5% (Nykaa)

Revenue Comparison of Major E-commerce and Traditional Retail Companies (FY2025)

Comparison of the annual revenues of selected e-commerce and traditional retail companies in India and the United States. Amazon and Walmart report in US dollars (billions), while Reliance Retail and Nykaa report in...



People using devices such as smartphones use the internet extensively. For instance, digital payment methods are frequently used. For this reason, the growth rates of e-commerce companies have skyrocketed in comparison to the past. Businesses like Walmart and Reliance Retail are utilizing their resources to integrate physical stores with online sales channels. This demonstrates how traditional retailing is being altered by e-commerce. It won't be eliminated but will be upgraded instead. One example of this is the concept of 'Fusion Retail' which helps retail chains manage their operations. Due to the widespread usage of digital payments and the internet, e-commerce companies are expanding rapidly. Although e-commerce is significantly altering retailing, conventional retailing will continue to exist alongside e-commerce proving that adapting to changing market around is an important technique for a business to stay successful.

Year	India E-commerce Market (US\$ Billion)	USA E-commerce Market (US\$ Trillion)
2024	125	1.19
2025	147	1.31
2026	172 (forecast)	1.44 (forecast)

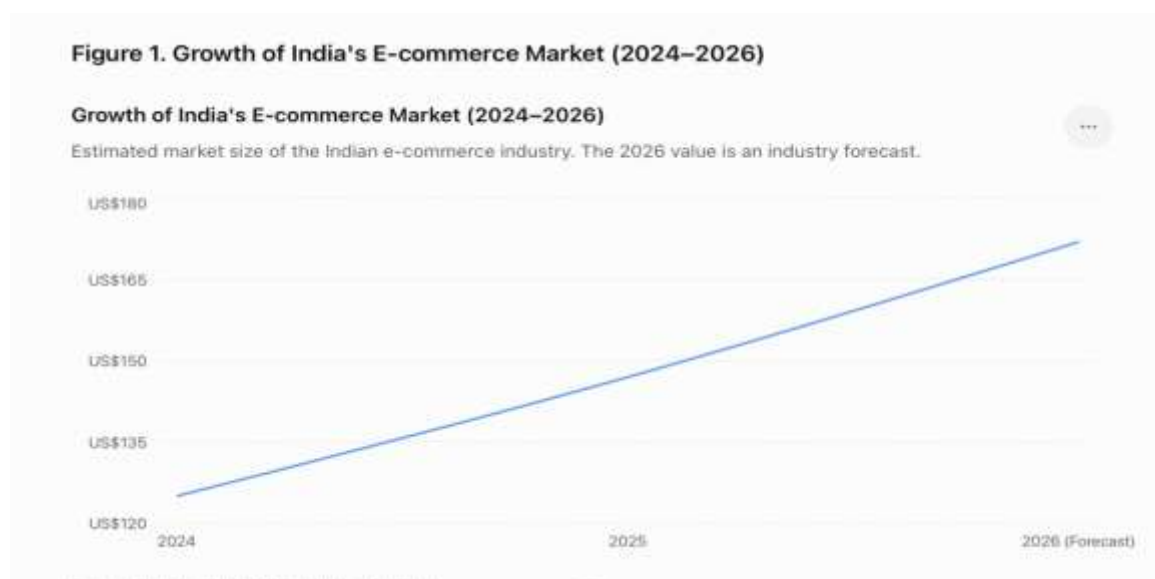
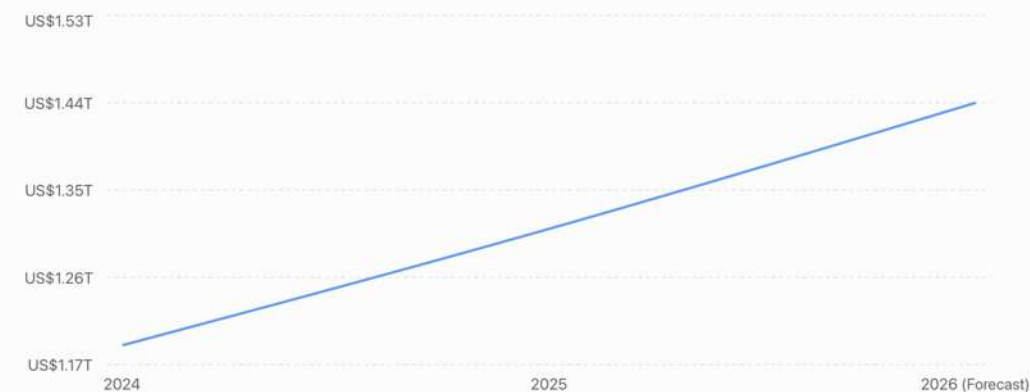


Figure 2. Growth of the United States E-commerce Market (2024–2026)

Growth of the United States E-commerce Market (2024–2026)

Estimated market size of the U.S. e-commerce industry. The 2026 value is an industry forecast.



Source: Statista, eMarketer (Insider Intelligence). *2026 value is a forecast.

The depicted 37.6% increase in India's e-commerce market between 2024 and 2026 depicts that developing economies are implementing digital retail at a considerably faster pace than mature markets such as America. They will go from 125 billion dollars in 2024 to 172 billion dollars in the year 2026. This is because of the huge increase in internet usage as well as digital payments.

Online sales in America have also shot up. They will go from 1.19 trillion dollars in the year 2024 to 1.44 trillion dollars in the year 2026. This shows that America's online sales are still growing, even though it is already an established market.

While the USA remains larger in size, India's rapid growth depicts the massive potential of developing economies and reinforces the argument that e-commerce is reshaping retail through rapid retail transformation.

OBJECTIVE OF MY RESEARCH

Analyse the growth of e-commerce in developing economies.

E-commerce in developing economies is a powerful catalyst for rapid structural transformation, shifting economies away from traditional retail and into digital marketplaces. This growth is primarily driven by expanding mobile networks, rising disposable incomes, and widespread digital payment adoption.

Examine its impact on traditional retail businesses

E-commerce has fundamentally transformed traditional retail, shifting power from physical storefronts to digital marketplaces. This evolution forces brick-and-mortar businesses to adapt to lower in-store foot traffic, changing consumer expectations, and intense price competition by developing hybrid "omnichannel" strategies to stay competitive.

Investigate changing consumer behaviour

Changing consumer behaviour is characterized by digital fatigue, heightened health consciousness, and an insistence on omnichannel convenience. Shoppers rely less on traditional advertising, instead prioritizing authentic product reviews, transparency, and



sustainable practices before making purchasing decisions.

Explore adaptation strategies adopted by retailers

Retailers adapt to changing consumer behaviours and market pressures by embracing omnichannel integration, AI-driven personalization, and flexible supply chains. These strategies enable brands to meet expectations for convenience, maintain profitability during economic shifts, and deliver seamless shopping experiences across physical and digital touchpoints.

Opportunities and challenges created by e-commerce

E-commerce in India is revolutionizing retail, driven by massive smartphone adoption, widespread digital literacy, and government support. While it unlocks unprecedented market reach and economic growth, the sector simultaneously grapples with infrastructural bottlenecks, intense competition, and complex regulatory frameworks.

Evaluating future trends and the emergence of hybrid retail models

Hybrid retail models—often referred to as physical retail—merge digital capabilities with physical store operations. Stores are no longer just transaction centers; they act as unified fulfilment nodes, showrooms, and community hubs. This omnichannel strategy ensures consumers experience a fluid transition between online discovery and in-store interaction.

Conclusion for the introduction answering the research question

E-commerce acts as a digital spur in developing economies, shifting traditional retail from a strictly localized, physical model to an omnichannel ecosystem. It expands market reach for small merchants, democratizes access to consumer goods in tier-2/3 cities, and forces brick-and-mortar stores to innovate their customer experiences.

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