

Original Article

Consumer Behavior Shifts in the Post-Digital Marketplace

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ABSTRACT

The rapid advancement of digital technologies has significantly transformed consumer behavior in global markets. In the post-digital era, consumers interact with brands through integrated digital and physical channels, driven by AI-powered personalization, social commerce, mobile platforms, and omnichannel experiences. This study examines the factors influencing consumer behavior, including digital trust, personalized recommendations, social media influence, omnichannel shopping, and customer engagement. Using a descriptive research approach based on secondary data from academic journals, industry reports, and previous studies, the research analyzes how technological innovations affect consumer decision-making. The findings reveal that consumers increasingly value convenience, transparency, personalization, and interactive shopping experiences. AI and big data analytics enhance customer relationships through tailored recommendations and predictive services, while social media strongly influences product perceptions and purchase intentions. Additionally, omnichannel retailing has emerged as a critical factor in delivering seamless customer experiences. The study concludes that the post-digital marketplace is a dynamic environment where technology, consumer psychology, and innovation continuously evolve. Organizations that successfully integrate digital technologies with customer-centric strategies are more likely to achieve sustainable competitive advantages. These findings provide valuable insights for marketers, business leaders, and policymakers adapting to changing consumer expectations.

KEYWORDS

Consumer Behavior, Post-Digital Marketplace, Artificial Intelligence, Omnichannel Retailing, Social Commerce, Digital Marketing, Customer Experience, Big Data Analytics.

1. INTRODUCTION

1.1. Background

The progress of information technology has greatly changed the way businesses are run and how consumers interact with products and services. Internet, smart phones, cloud computing and digital communication technologies have made the global marketplace highly connected and allowed consumers to get information and make transactions anytime and anywhere. The transition from the traditional market to the e-commerce and even the post-digital marketplace has transformed business competition and customer interactions. Today's customers are better informed and more empowered, they are able to easily compare products, read reviews on the internet, find recommendation on social media platforms, and engage with online communities prior to making purchases. They've brought a change in business approach from product focused to customer focused with convenience, personalization and multi channel experience at the heart of what they're doing. Consequently, technological advances and information analysis are becoming a staple for companies seeking to address evolving consumer demands and keep them ahead of the curve.

1.2. Need for Studying Consumer Behavior Shifts in the Post-Digital Marketplace

In the era of post-digital, the interplay between businesses and consumers has been revolutionized, with high-tech solutions being utilized in everyday transactions. Organizations need to understand consumer behaviour changes as digital innovations are continuously changing consumers' expectations, preferences, and decision-making processes. Understanding consumer behavior changes is essential for businesses to create effective marketing strategies, enhance customer satisfaction, and gain lasting competitive edge.



Fig 1 - Need for Studying Consumer Behavior Shifts in the Post-Digital Marketplace

1.2.1. Understanding Changing Consumer Expectations

Today's shoppers demand convenience, quickness and customization when dealing with companies. They like brands that can give them easy access to information, personalised recommendations, and easy to use purchasing processes across various digital platforms.

1.2.2. Enhancing Business Competitiveness

Consumer preferences are a key factor to success in a very competitive digital world. Understanding the change in behavior allows companies to develop new products, enhance services, and craft successful marketing strategies to fulfill customer demands.

1.2.3. Improving Customer Experience

The relationship between consumers and businesses takes place on websites, mobile applications, social media and in physical stores. Understanding these interactions empowers companies to design holistic and personalized customer journeys across multiple touchpoints, fostering customer satisfaction and building brand loyalty.

1.2.4. Supporting Data-Driven Decision Making

Businesses have a wealth of information about their customers thanks to the development of artificial intelligence, big data, and analytics. Knowing consumer behavior enables organisations to leverage these data in market forecasting, customer segmentation and personalised marketing strategies.

1.2.5. Building Digital Trust and Security

With the increasing number of online transactions, people are getting sensitive about the privacy and security of their data. Understanding consumer behaviour is essential in revealing potential trust issues and creating secure digital systems that help build customer trust.

1.2.6. Adapting to Technological Advancements

The business landscape is continually evolving and changing. For businesses to stay relevant and innovative, it is crucial to grasp how consumers take up and engage with new technologies like artificial intelligence, digital payment systems, chatbots, and mobile commerce.

1.2.7. Promoting Sustainable Long-Term Growth

Consumer behavior change understanding allows organizations to create customer-centric strategies that will better serve customers, boost profitability, and help them remain competitive and sustainable in the future. The businesses that are able to adapt to the shifting consumer expectations will be more successful in the future post-digital market.

1.3. Evolution of Consumer Behavior

Consumer behaviour has seen great changes over the years as a result of economic development, globalization and the rapid advancement of technology. Traditional marketplaces, on the other hand, were a place where consumers' decisions were mainly based on the availability of the product, its price, and recommendations from friends or neighbors. Information for consumers was not readily available, and they typically learned about products and services from physical stores, as well as by reading the newspaper, watching TV or radio. Mostly linear in nature, the buying process started with the identification of a need and culminated in the buy of a product. With the advent of the

internet and electronic commerce, there was a significant shift in the way consumers behave. Online shopping platforms allowed consumers to perform comparative shopping without that having to involve visiting store-to-store as it were. Additional awareness of the customer was provided by the internet-enabled reviews and ratings, which also enabled customers to make more informed buying decisions. Digital technologies evolved and companies began to pursue not only product sales but value creation by enhancing customer experience and services. This progress led to the rise of smartphones, social media platforms and mobile applications, allowing information to be readily available at any time and place. Consumers were more connected and interactive, interacting directly with the brands on digital platforms and sharing their experiences with wider online communities. As word-of-mouth and recommendations from friends and social media took over the effectiveness of the conventional advertisements, the need for these was diminished. The current post-digital era has created consumer habits mostly based on personalization, convenience and digital experience. AI tools like big data analytics and machine learning are used to gain insights into customer preferences and offer personalized suggestions. Consumers now have expectations of the same experience across all channels, including websites, mobile apps, social media and in-store transactions. They also value digital trust, privacy of data and safe online transactions more. With the ever-changing nature of technology, consumer behavior will continue to shift and evolve, necessitating businesses for the better to be innovative, flexible, and customer-centric to address the changing market demand and ensure sustainable growth.

2. LITERATURE SURVEY

It has already been found in previous research that technological developments have a significant impact on the consumers' purchasing behaviour. Digital technologies have drastically changed how people look for information, do comparisons, and make decisions when buying. The researchers have pointed out that firms need to keep pace with evolving consumer demands if they are going to succeed, going so far as to suggest that they need to be innovative with digital strategies. The growing use of Internet, smart phones and social media tools has also contributed to the competition in the markets, which has made digital transformation a key factor for the growth and competitiveness of an organization.

2.1. Digital Consumer Models

Philip Kotler says that digital transformation has turned the old customer journey of a linear process into a dynamic and interactive one. Today's consumers no longer rely on one source of information, but rather search for product information on the web, social media, search engines, or online forums. The multi-channel information search helps customers to become better informed and higher expectations of business transparency, convenience and personalized interactions. Online reviews, ratings and peers' recommendations have also been shown to be very influential by several studies in influencing consumer attitudes and purchasing intentions. User generated content is seen as more authentic and reliable than traditional advertising, so that consumers often rely more on the experience other consumers have had. This has led to more and more organizations emphasizing on developing a positive online reputation and obtaining good customer reviews.

2.2. Omnichannel Retailing

Peter C. Verhoef and other researchers suggested that the use of online and offline channels in concert could have a great beneficial influence on customer satisfaction and loyalty. Omnichannel retailing allows customers to engage with a brand across any number of channels, including websites, mobile apps, social media and brick-and-mortar stores, without any disruptions. This way, customers can have the flexibility and convenience to choose their preferred method of purchase. Smoothly integrating the digital and physical channels is also giving a seamless customer experience. For instance, people can look up products on the web, utilize cell applications to contrast costs, and finish acquisitions in retail or online. Companies that manage to achieve an omnichannel strategy are more likely to succeed in customer relationships, brand loyalty, and sales.

2.3. Artificial Intelligence and Personalization

Artificial Intelligence (AI) is finding itself becoming an effective tool for understanding and predicting the behavior of consumers. AI algorithms can be used to process a vast amount of customer data, identifying preferences, buying habits, and trends. This data can be utilized to offer personalized product suggestions, customized ads, and tailored purchasing experiences, thereby boosting customer engagement and satisfaction. The integration of big data analytics and machine learning technologies further enhances personalization, helping organisations predict future buying habits and fine-tune marketing tactics. Machine learning algorithms enhance the process of customer segmentation, which can be used to cluster customers by their interests, demographics, and purchasing behavior. This enables companies to better manage resources, improve efficiency, and offer value-added products and services to the right customers at the right time.

2.4. Research Gap

While the research of digital marketing, e-commerce and online consumer behavior has been conducted extensively, few studies account for consumer behavior in the post-digital marketplace on a comprehensive level. Today, these digital and physical interactions are increasingly merging, and consumers demand seamless experiences from any platform or channel. Previous research has been conducted mostly on individual factors like technology adoption, social media influence or online shopping, independently. Nevertheless, there is not much research that considers the synergy effect of technological, psychological and social influences on consumer decision making at one time. The aim of the current research is to fill this gap, where these factors are analyzed together and how they all influence consumer behaviour in the evolving post-digital marketplace is explored.

3. METHODOLOGY

3.1. Research Design

In this study, the researcher used a mixed research design that combines qualitative and quantitative research methods to gain comprehensive knowledge of the purchase behavior patterns of the consumers in the post-digital marketplace. The qualitative approach is employed to understand factors which shape consumer attitudes, perceptions, and decision making processes. It enables the comprehension of the impact of technological innovations, digital platforms and social trends on

consumer preferences and purchasing behavior. Qualitative data are used to offer descriptive insights that can help interpret consumer experiences and market trends. The quantitative approach, however, is directed towards measuring and analysing consumer behavior using numerical data and statistics. This methodology allows the researcher to discover patterns, connections and trends across various variables, such as how digital technologies, online reviews, artificial intelligence and omnichannel strategies relate to purchasing decisions. The mixed methods of qualitative and quantitative research increase the reliability of research findings and helps to ensure the validity of the findings by giving depth and measurable evidence of the results. This study is mainly using the secondary data as data sources so as to fulfill the objectives of the study. The data is gathered from various sources such as books, peer-reviewed journals, conference proceedings, research articles, industry reports, government publications, and reputable online databases. These sources offer insightful content on the latest trends in digital marketing, e-commerce, consumer behavior, AI, and omnichannel strategies. The information gathered is systematically organized, analyzed, and reviewed to surface important themes and trends in consumer behavior. The research design combines data from various authoritative sources, which helps to create a comprehensive and impartial picture of the shift of technology and consumer buying trends in a contemporary business landscape.

3.2. Data Collection

The present study is mainly based on secondary data, gathered from authentic resources as well as scholarly sources, to ensure reliability and validity of the research findings. Secondary data is especially valuable for getting a grasp of the theories that already exist, or patterns that are currently emerging, and for analysing how technology is influencing consumer behaviour in the post-digital world. Extensive literature search, research databases and industry publications have been used to obtain information for this study. A large percentage of the sources used are from IEEE Xplore, which offers high quality research articles and conference papers for emerging technologies, artificial intelligence, machine learning, big data analytics, and digital innovation. These publications contain useful information on the technological aspects of contemporary consumers' behavior. Moreover, the journals that have been used have been related to marketing, management, information systems and consumer psychology and have been indexed in Scopus to ensure the presence of peer-reviewed and internationally accepted research studies. Another important source of publications used in the study is Elsevier and Springer, both of the world's foremost academic publishers. They have extensive findings on digital marketing strategies, e-commerce, omnichannel retailing, customer relationship management, and artificial intelligence adoption in business. These scholarly sources help to better understand the changing dynamics of technology and consumer buying behaviors. In addition, several marketing research publications from industry associations, consulting and marketing intelligence companies were read to get up to date market data, consumer trends and business practices. These reports provide fresh insight into digital consumer behavior and technology uptake that will fill the gap between theory and practice. The information gathered has been systematically organized, compared and analyzed to bring out significant patterns and relations and thus it forms a complete base for the following objectives of the present research.

3.3. Analytical Framework

The analytical framework of the present study is aimed at analysing the essential factors affecting consumers in the Post Digital Marketplace. The conceptual model consists of five independent variables – Digital Trust, Social Media Influence, Personalized Marketing, Omnichannel Experience, and Technology Adoption. These variables are seen as critical in the context of consumer interactions with businesses and their purchase decisions in a technologically-infused world.

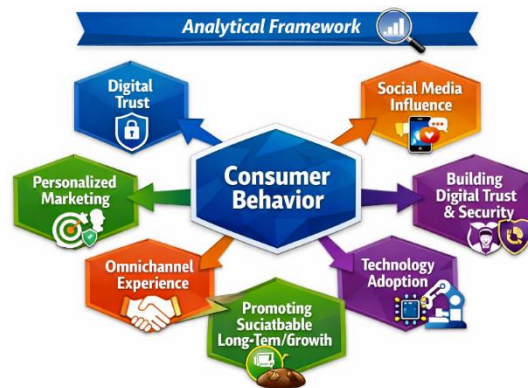


Fig 2 - Analytical Framework

3.3.1. Digital Trust

Digital trust is the belief consumers have in online platforms, web sites, mobile apps and digital payment systems. When customers think their personal information and financial data are safe, they are more inclined to conduct online transactions. Digital trust is fostered through privacy measures, payment security, clear business models, and customer feedback that highlights their experience. Privacy protection, secure payment gateways, transparent business models, and positive online reviews all play a role in establishing digital trust and nurturing long-term customer relationships.

3.3.2. Social Media Influence

Social media is one of the factors that have impacted the behaviour of consumers and buying choices. Social media like Facebook, Instagram, YouTube, and X (Twitter) provides consumers with information about the products they're looking at, reviews, and the ability to interact with brands and other social media users. Social media, friends and influencers can sway the opinions of buyers and eliminate the risk before buying. This has made social media a great marketing and communication tool for companies.

3.3.3. Personalized Marketing

Personalized marketing is a marketing approach that provides a customized product, service, and message to each customer in accordance with his or her preferences and actions. AI, big data, and customer analytics are used by businesses to gain insights into customer needs and make appropriate suggestions. Personalized marketing leads to greater customer satisfaction by making the shopping experience a unique one, increasing engagement and improving customer loyalty.

3.3.4. Omnichannel Experience

Omnichannel experience is the integration of both online and offline channels and ensuring a seamless customer journey. The consumers are able to search the products online, compare the prices through mobile apps and can make purchases from websites or physical stores as per their convenience. An Omnichannel approach that is integrated in a well-balanced way leads to increased satisfaction, customer loyalty and a more effective shopping experience.

3.3.5. Technology Adoption

Technology adoption is the readiness of consumers to embrace and adopt new technologies in their buying processes. Mobile commerce, mobile wallets, artificial intelligence, chatbots, and smart shopping applications are some innovations that have changed the way consumers interact with businesses. In many cases, increased technology adoption can result in increased convenience, quicker decision-making, and better customer experiences overall, making it a major part of consumer behavior in today's day and age.

3.4. Statistical Model

The model of the present study is developed statistically to explain the relationship of various technological factors to consumer behavior in the post-digital market. Consumer behaviour is the dependent variable and Digital Trust, Social Media Influence, Personalized Marketing, Omnichannel Experience and Technology Adoption are considered independent variables. It is assumed that when these factors change, it will affect consumer purchasing behaviors and/or their overall behavior. The conceptual model can be simply summarized as:

$$\text{Consumer Behavior} = f (\text{Digital Trust} + \text{Social Media Influence} + \text{Personalized Marketing} + \text{Omnichannel Experience} + \text{Technology Adoption})$$

These five variables are important and are the antecedents of consumer behavior. Digital trust could increase the chances of online transactions and social media influence could impact customers' thoughts and purchasing decisions. Businesses can deliver a customised product or service through personalised marketing, which is suitable for each customer. Likewise, an omnichannel experience allows customers to engage with brands through many channels, while technology use indicates consumers' openness to technology and innovations when purchasing goods and services. The Multiple Regression Model is used to explore the joint effect of the above variables. Y is the dependent variable of interest (Consumer behavior), while β_0 (beta zero) is the constant value or intercept, representing the expected value of the dependent variable when all the independent variables are zero. The regression coefficients β_1 , β_2 , β_3 , β_4 , and β_5 correspond to the effects of the independent variables Digital Trust, Social Media Influence, Personalized Marketing, Omnichannel Experience, and Technology Adoption, respectively. The symbol ϵ (epsilon) is the error term, which is the effect of other factors not included in the model. The multiple regression equation can be written in normal words as:

$$\text{Consumer Behavior} = \text{Constant} + (\text{Effect of Digital Trust}) + (\text{Effect of Social Media Influence}) + (\text{Effect of Personalized Marketing}) + (\text{Effect of Omnichannel Experience}) + (\text{Effect of Technology Adoption}) + \text{Error Term}.$$

This statistical model allows the researcher to assess the significance and power of each independent variable and gives a systematic approach to the understanding of how technological changes affect people's consumption habits in today's world.

4. RESULT AND DISCUSSION

4.1. Analysis of Consumer Trends

A current study of consumer trends reveals that technology has made a tremendous impact on consumers' searching, comparing, and buying behavior. With the ubiquity of the internet, smart phones and digital platforms, consumers are more informed and connected today than ever before. Customers will often look at prices, online reviews, product demonstrations, and recommendations from friends, influencers, and online communities before buying a product or service. This change in behavior has spurred businesses to take a customer-centric approach toward convenience, speed, and personalization. A clear trend is the demand for customization of products and services. Consumers want companies to learn about their specific interests and have suggestions that align with them and past buying habits. Businesses can tailor advertisements, product recommendations, and promotions to individual customers based on their information, artificial intelligence, and big data analysis. Personalized marketing can enhance the shopping experience, boost customer satisfaction, engagement, and loyalty. Consumers that are provided with relevant information, rather than generic advertising, are more likely to make purchases and to stay loyal to brands. One of the other trends that are important is the need for multichannel interactions to be seamless. Today's customers are looking for a uniform experience across the entire Web experience, whether they're on a website, mobile application, social media platform or physical store. They might look up a product online, research the product characteristics via a mobile app, and purchase it in a retail store or via an e-commerce website. This all-channel approach gives flexibility and convenience, improving customers' satisfaction level. AI is also playing a pivotal role in shaping consumer habits. The customer's preferences and browsing history are captured and used by AI-powered recommendations to recommend products that are most relevant to the customer. These systems manage to sift through a tremendous amount of data and select only the most relevant choices, which helps eliminate information overload. This allows consumers to make faster and more confident decisions, and it can boost the sales, customer satisfaction, and competitive advantage of businesses in the digital arena.

4.2. Factors Influencing Consumer Behavior

According to the analysis of consumer behavior, there are several factors in the world of technology and marketing that have an impact on people's purchases in the post-digital world. Of these, Personalized Marketing, Social Media Influence, Omnichannel Experience, Digital Trust, and Technology Adoption are all important. The percentages distribution indicates the relative effect of each factor on consumer behavior.

Table 1: Factors Influencing Consumer Behavior

Factors	Percentage (%)
Personalized Marketing	30
Social Media Influence	25
Omnichannel Experience	20
Digital Trust	15
Technology Adoption	10

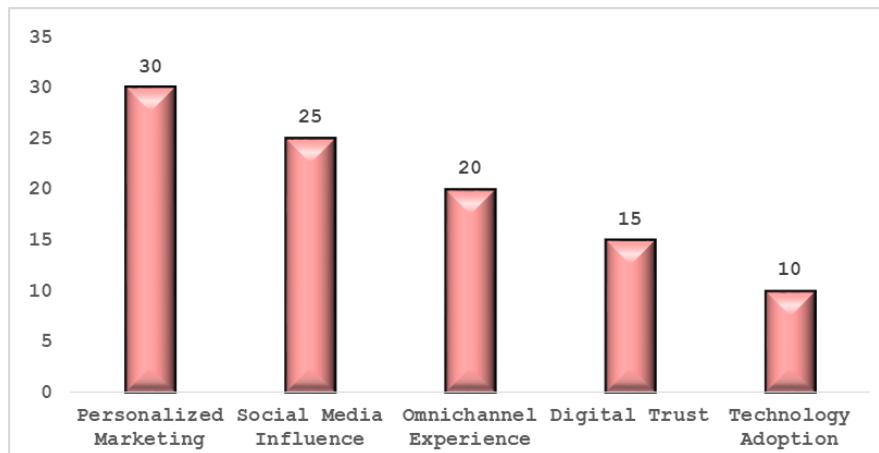


Fig 3 - Factors Influencing Consumer Behavior

4.2.1. Personalized Marketing (30%)

In the field of marketing, personalization has the greatest influence on consumer behaviour, accounting for 30%. Today, each and every consumer wants products and services that comply with their own tastes and requirements. Personalized customer insights, AI-driven predictions, and data-driven analytics empower businesses to offer tailored suggestions, personalized ads, and exclusive promotions. This tailored strategy helps foster customer satisfaction, brand loyalty, and repeat business.

4.2.2. Social Media Influence (25%)

The influence of social media accounts for 25% of the factors influencing consumer behaviour. Social media – like Facebook, Instagram, YouTube or X – is a significant source of information about products and customer reviews. Word of mouth, social media and online communities are vital influences on consumers before they make a buying decision. Positive social media interactions can lead to increased trust and growth in a brand's customer base, while negative interactions can have a detrimental impact on brand reputation.

4.2.3. Omnichannel Experience (20%)

Omnichannel experience is 20% of consumer behaviour, as a seamless experience across channels. Consumers want to seamlessly transition from website to mobile app, social media to physical location without ever having to stop. A seamless and unified shopping journey boosts convenience and customer satisfaction, fostering brand loyalty.

4.2.4. Digital Trust (15%)

The digital trust is 15% of consumer behaviour and crucial for e-transactions. When consumers feel secure and reliable when shopping on websites and digital platforms, they are more inclined to buy and give out personal information. Having robust privacy policies, secure payment mechanisms, and clear business practices fosters customer trust and confidence, which can lead to long-term relationships. Robust privacy policies, secure payment systems, and transparent business practices help build customer trust and confidence, which can pave the way for long-term relationships.

4.2.5. Technology Adoption (10%)

The use of technology represents 10% of the consumer's behavior and is a measure of their willingness to use new digital technologies. Mobile commerce, digital wallets, artificial intelligence, and smart shopping apps are some innovations that are making the buying process more convenient and efficient. Even though it has the least percentage among the factors detected, technology adoption contributes to the overall digital shopping experience and helps consumers to effectively access products and services.

4.3. Discussion

The results of the present study show that technological changes have greatly changed the behavior of consumers and how businesses communicate with consumers. Of all the factors analysed, personalized marketing is the biggest influencer of consumer purchasing decisions. Today's customers want items, services and advertising messages that are tailored to their needs and preferences. Combined with customer data and big data analytics, AI can deliver customer-specific advice and personalized ads that enhance customer satisfaction and boost loyalty. Another advantage of personalized marketing is that it enables businesses to create a more engaging and relevant shopping experience, which helps them build stronger relationships with customers. The stigma of social media has been overcome, as the study also shows that it's one of the best communication channels for businesses. Social media like Facebook, Instagram, YouTube, and X allows organizations to reach their audience directly, promote their products, and get instant feedback. People are relying on online reviews, social media recommendations from influencers and peers more than ever before when deciding what to buy. This is an interactive communication that not only helps build brand awareness but also deepens your customer base and boosts trust. Another important thing to note is the development of Omnichannel experiences. Consumers want to interact with businesses in a seamless way, whether they are on your website, mobile app, social media or in your physical store. Being able to seamlessly switch between channels makes for convenience and better customer experience. Organizations that effectively merge online and offline services are better able to improve customer relationships and increase customer loyalty. The findings also show the need for digital trust in the post-digital marketplace. With an increase in online transactions, consumers are keenly interested in privacy, cybersecurity, and safeguarding their personal information. Businesses can foster customer trust and minimize perceived risks by using secure payment systems, clear policies, and responsible handling of data. Thus, the companies should integrate technology innovations with ethical business operations to establish trustworthy and customer-centric settings. This can enhance customer

satisfaction and help ensure sustainable growth and long-term competitive edge in today's fast-changing digital economy.

5. CONCLUSION

The post-digital marketplace is a new era in the global marketplace as physical and virtual spaces increasingly converge. The rapid development of information technology, artificial intelligence, mobile apps, and communication platforms has fundamentally altered consumers' search for information, their appraisal of alternatives, and their decisions to purchase. The modern marketplace is different from traditional markets, in which transactions were more product-oriented, because the focus is on providing significant experiences for customers. Personalization, convenience, speed and digital connectivity are no longer just options, but are a must-have for customers' satisfaction and business success. The results of the present study showed that some technological factors have a significant effect on consumer behavior. Personalized marketing is one of those that has the greatest influence on consumers' buying behavior, as the consumers are more willing to accept products or services that suit their personal requirements and preferences. AI and big data analytics can help businesses understand how customers are engaging with their products, anticipate future needs, and make personalized suggestions that improve the customer journey and experience. Likewise, social media has become an effective communication and marketing channel, enabling businesses to connect directly with customers, foster brand recognition, and shape purchasing decisions by leveraging social networks and digital interactions. The study also emphasizes the role of omnichannel retailing in the post-digital retail landscape. Today's consumers have come to expect consistent experiences from all their websites, mobile apps, social media and store visits. By combining these channels, businesses can give flexibility and convenience to their customers, who can engage with them in their preferred ways. Companies that effectively leverage omnichannel marketing strategies have a better chance of building stronger customer relationships, increasing loyalty, and granting themselves sustainable competitive advantages. The other major one is the rise in digital trust. With online transactions and digital services still growing, consumers are more worried about protecting their personal information, ensuring privacy and keeping it safe from cyber criminals. By being transparent, allowing secure payment options, and practising responsible data handling, companies can build customer trust and cultivate enduring customer relationships. Conversely, companies that neglect to address these issues may witness a decrease in customer trust and deterioration in market performance. In general, the research findings indicate that technological innovation has to be integrated with customer-oriented business practices in order to ensure the long term growth of an organization. As the business landscape evolves, the future of retail and marketing will crucially rely on the adaptability of businesses to fit changing consumer expectations, while simultaneously keeping ethical standards and operational flexibility in mind. The results of this research works will be useful to researchers, policymakers, and business managers as it will enhance their understanding of the factors that influence consumer behavior in the changing post digital world. With the continuous evolution of technology, companies need to be innovative, responsive, and dedicated to providing safe, personalised and seamless customer experiences to thrive in today's highly competitive global environment.

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