

Applications of Artificial Intelligence in Daily Life

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Abstract: : Artificial Intelligence (AI) has emerged as one of the most transformative and rapidly evolving technologies in the modern digital era, significantly influencing the way individuals interact with machines, systems, and digital platforms. AI refers to the ability of machines to simulate human intelligence by learning from data, recognizing patterns, solving problems, and making informed decisions with minimal human intervention. Over the past decade, AI has expanded beyond research laboratories and industrial applications and has become deeply integrated into everyday life.

In daily life, AI is widely used in smartphones, social media platforms, navigation systems, e-commerce websites, healthcare services, and educational tools. Technologies such as machine learning, natural language processing, and computer vision enable AI systems to provide personalized experiences, improve operational efficiency, and automate repetitive tasks. For instance, AI-powered voice assistants, recommendation systems, and smart devices have made daily activities more convenient and efficient.

This research paper presents a comprehensive study of the applications of Artificial Intelligence in daily life, focusing on its role in enhancing productivity, improving decision-making, and transforming user experiences. The study also examines the advantages of AI, including increased accuracy, time-saving capabilities, and automation, while addressing key challenges such as data privacy concerns, ethical issues, algorithmic bias, and the potential impact on employment.

Furthermore, the paper highlights the future scope of AI and its potential to revolutionize various sectors through advancements such as smart cities, autonomous systems, and intelligent healthcare solutions. The findings suggest that while AI offers significant benefits and opportunities, its responsible, ethical, and transparent implementation is essential to ensure sustainable development and societal well-being.

Keywords: Artificial Intelligence, Machine Learning, Daily Life Applications, Automation, Smart Technology, AI Systems

