

Artificial Intelligence in Everyday Life

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Abstract: Artificial Intelligence (AI) has rapidly become an integral part of daily life, influencing nearly every sector from communication to healthcare. This paper explores the diverse applications of AI in everyday environments and examines how these technologies improve efficiency, accuracy, and decision-making. The study discusses AI's impact in smart homes, education, finance, healthcare, and transportation, emphasizing real-world use cases like voice assistants, predictive text, and autonomous vehicles. Moreover, it addresses ethical and societal challenges such as data privacy, job automation, and algorithmic bias. The purpose of this paper is to provide a comprehensive understanding of AI's transformative role in modern society and to analyze its potential future advancements that could shape human lifestyles in the coming decades.

Keywords: Artificial Intelligence, Machine Learning, Deep Learning, Automation, Smart Systems, Everyday Applications

I. INTRODUCTION

Artificial Intelligence (AI) refers to the capability of machines to perform tasks that typically require human intelligence. From personalized recommendations on streaming platforms to AI-powered healthcare diagnostics, its presence in everyday life is undeniable. AI technologies such as Natural Language Processing (NLP), Machine Learning (ML), and Computer Vision enable computers to perceive, reason, and act. Over the past decade, rapid advancements have made AI accessible to common users through devices like smartphones, smart home appliances, and digital assistants. The integration of AI into everyday processes enhances human productivity and decision-making while creating opportunities for innovation and economic growth.

II. LITERATURE REVIEW / RELATED WORK

Researchers worldwide have explored AI's impact across different domains. Existing literature highlights AI's contributions to automation, intelligent decision-making, and data-driven prediction. In education, AI is applied for personalized learning and student performance analysis. In healthcare, studies reveal its role in medical imaging, drug discovery, and patient monitoring. Financial systems leverage AI for fraud detection and algorithmic trading. Past studies also emphasize the ethical aspects of AI, including fairness, transparency, and accountability in machine decisions. This review establishes a foundation for understanding the relevance and challenges of AI adoption in daily life.

III. PROBLEM STATEMENT / OBJECTIVE

Although AI offers vast potential, many individuals lack awareness of its underlying mechanisms and implications. There exists a knowledge gap regarding how AI impacts everyday routines and decision-making. The objective of this paper is to study the evolution of AI, understand its everyday applications, analyze benefits and challenges, and explore its future scope. The study aims to enhance public understanding of AI's responsible and efficient usage in common life.

IV. PROPOSED SYSTEM / METHODOLOGY

The methodology adopted includes secondary research through IEEE journals, online reports, and academic publications to identify trends and use cases. Data were categorized based on application areas: healthcare, education, finance, home automation, and mobility. Each sector was analyzed for its AI-driven functionalities and social impact. The study also examines the lifecycle of AI systems including data collection, preprocessing, model training, testing, and deployment, supported by case-based evaluation.

V. RESULTS / IMPLEMENTATION

AI technologies have significantly improved human lifestyle quality. For instance, AI-driven assistants like Alexa and Google Assistant simplify daily tasks through natural voice interactions. In healthcare, AI enhances diagnostic



accuracy using machine vision. In education, intelligent tutoring systems adapt to student progress, and in finance, AI-driven analytics predict market trends. These real-world implementations demonstrate how AI bridges efficiency and innovation, enhancing decision-making and accessibility in daily life.

VI. CONCLUSION

AI continues to redefine human interactions with technology by automating complex processes and improving living standards. While AI brings convenience and innovation, ethical use remains crucial to prevent misuse and bias. As AI becomes deeply embedded in modern lifestyles, its responsible adoption will determine the balance between progress and human welfare.

VII. FUTURE SCOPE

The future of AI lies in explainable, transparent, and ethical systems. Integration of AI with Internet of Things (IoT), Edge Computing, and Quantum Computing will further accelerate automation and personalization. Enhanced AI education, global collaboration, and policy regulation will ensure sustainable and equitable technological advancement benefiting society.

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