

Artificial Intelligence (AI) is rapidly transforming the world around us.

From virtual assistants like Siri and Alexa to more advanced applications like self-driving cars, AI is making it possible to automate and improve decision-making in ways never seen before.

This research paper explores the foundations of AI, its various subfields including machine learning and natural language processing, and its applications in industry, healthcare, education, and beyond.

In the following sections, we discuss current advancements, ethical concerns, and what the future may hold for AI.