

Transforming industries with AI



AI-powered virtual assistants are becoming common in business, especially for customer service. Once known for frustrating experiences, modern AI chatbots are far more advanced. Improved language processing helps them understand users better, offer relevant responses, and resolve queries efficiently. This shift enhances customer experience, reduces wait times, and enables 24/7 support — transforming how businesses interact with clients.

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As we all know, nowadays AI is being used everywhere and is transforming many things for the better. Essentially, AI is revolutionising industries by driving innovation, increasing efficiency, and reducing costs. It is reshaping business models and boosting competitiveness.



Introducing AI into industries is like hiring a smart, fast-learning team member who can handle a wide variety of tasks.

Initially, there's a learning curve in understanding how to work with AI. However, once implemented, it can take on repetitive or complex tasks, improve accuracy, boost productivity, and open doors to innovations that weren't possible before.

AI is reshaping business models and giving companies a competitive edge across industries. From healthcare and finance to manufacturing and retail, AI is making a significant impact.

The healthcare industry faces serious challenges, including a global shortage of 4.3 million healthcare professionals, according to the World Health Organization (WHO). AI offers promising solutions. It is estimated that AI can reduce healthcare worker errors by up to 85%, potentially saving over 250,000 lives every year.

For example, a recent study in Sweden involving 80,000 women found that AI helped doctors detect 20% more breast cancer cases without increasing false positives. Doctors' workloads were reduced by 44% thanks to AI support. Meanwhile, AI-powered chatbots and voice assistants can provide basic medical advice, help patients remember their scheduled appointments,

and remind them to take their medication on time. In finance, AI acts like a GPS—helping businesses navigate the safest and most efficient routes through complex financial data. It enhances accuracy, speeds up decision-making, and enables advanced services such as automated trading, fraud detection, and financial advice. AI tools also help companies stay

how industries function and succeed. AI is playing an increasingly important role in helping businesses—especially small ones—work more efficiently and connect better with customers. While AI isn't yet ready to fully take over tasks like customer service or web development, it is already making a significant difference in many areas. AI also makes website build-



compliant with financial regulations. AI is transforming the way industries operate. It helps businesses run more smoothly, improve customer service, and generate new ideas and innovations. As AI technology continues to grow, it promises smarter decision-making and even the creation of entirely new types of businesses and markets.

The future of AI looks very bright. It is no longer just a trend it is becoming an essential part of

ing faster and easier. Even basic website builders powered by AI can help users create complete websites, manage content, and maintain consistent branding without needing to write a single line of code.

AI is proving to be a valuable tool, especially for small businesses looking to grow. As the technology continues to improve, these AI tools will become even more powerful and accessible.

(The author is an engineering student)