Artificial Intelligence (AI) has made its way into our lives in a myriad of ways, and its impact is changing the way we interact with technology. From voice-activated personal assistants to facial recognition software, AI is everywhere. Overall, AI is playing an increasingly important role in many industries, helping to streamline processes, improve efficiency, and enable new levels of innovation and growth.

In our ongoing module 'TECH TAKE OVER 2.0', the participants are developing a deeper understanding of the tech revolution. In this newsletter, the Dreamers present their vision of how AI will transform various sectors. An excellent read for one and all.

Dreamers & Innovators is a knowledge and skill-building platform for 21st century learners. We aspire, design and execute interactive learning experiences where global knowledge relevant to today and tomorrow is brought to young Dreamers. At D&I, 21st century skills are honed, confident communication is developed and independent, informed opinions are nourished.

AI in Agriculture

Uday Nanda
14 years

AI will revolutionize the agriculture industry. Imagine knowing all the statistics of your field, knowing how much water is needed, where the soil is most fertile and much more. Farmers won't have to do anything except give some information to the AI about the field before sowing seeds. The irrigation facilities will be handled by the AI and the farmers will get a report and all the data every day. That is just for the crop production part of it, the other part is rearing animals. Animals need to be on strict diets depending on what they are being used for. AI will set the diet and regularly feed the animals. AI will make a farmer's job ten times easier by increasing efficiency and adequate in-time maintenance. The only downsides are the costs of AI which cannot be afforded by small farmers.

AI can End Violence

Ruben Sharma
14 years

Advancements in AI technologies can lead to a future where conflicts are prevented, mitigated, and resolved without armed confrontation.

Through AI-powered diplomacy, sophisticated algorithms can analyze data to identify common ground, predict outcomes, and facilitate peaceful negotiations. Real-time threat detection and deterrence systems can leverage AI to prevent conflicts from escalating by swiftly identifying and neutralizing threats. AI-enabled humanitarian aid and development efforts can address root causes of conflicts, such as poverty and resource scarcity, leading to long-term stability. This could aid governments in raising the standard of living for many faced with poverty and starvation.

Furthermore, leveraging the power of AI in such ways enables us to strive towards a future where wars are obsolete. The children of our world are born protected today but will grow up in a safer tomorrow.

AI in Healthcare

Mehar Arora
11 years

Artificial Intelligence or AI uses algorithms to perform various tasks which makes our human lives easier. An Industry which AI could take up a notch is the Healthcare industry.

Firstly, AI monitoring all the ICUs at all points of the time would be really great. If a critical patient's vitals suddenly plunge or any other emergency occurs, AI using IoT can inform devices of the doctors. In the medical industry, there are several procedures that can harm humans through radioactive waves. If, instead of humans, AI humanoids conduct these procedures many lives could be saved due to reduced scope of error. Last but not least AI can diagnose diseases earlier and faster with the help of high-end technology even before severe symptoms start showing.

These are only a few of the ways in which AI can help and we should use and learn about it more.

AI in Transport

Aanya Mehra
18 years

Artificial intelligence in transportation is going to revolutionise roads far beyond our imagination. With the ability to process unstructured data; route optimisation will be even more efficient and also increase safety and reduce traffic accidents. The rules shall be followed more efficiently leading to organised traffic sense. Smart traffic light systems would be able to manage traffic more efficiently which will save a lot of money and prevent us from getting stuck in a traffic jam. Artificial intelligence will help charting out the best routes and will also make driverless vehicles a norm. Although, all the above listed will making our lives easier in some way or the other, it is also necessary to educate ourselves on the drawback of AI in transportation. The various tools-sensors, transmitters, computing resources required for the implementation of AI can be costly and not that easily affordable. Apart from this, technology has its own glitches which can be frustrating at times. It is crucial for us to keep the drawbacks in mind and grow with the world and its ever-changing technology.

AI in Classroom

Advik Rajaani
11 years

If we have AI in a classroom, then it could solve all the problems of a teacher and a student. First, and most important, health monitoring. All students' desks have an AI system that connects to a wristband worn by the student. This also connects to an AI device in the Medical Room. If any child's temperature increases or there is pain from an injury in the child's body, then the Medical Room will know. Also, this AI can connect to an Air Purifier to keep the air clean and safe for the people in the class. Next, we have classwork. The note of a student will be connected to a notebook holder with a Natural Language Processing-powered AI device implanted in this holder. It will turn all the student's handwriting to text that the teacher can read without having to worry if he/she can read the handwriting of the student. Also, the AI can give the student's handwriting a rating and share it with the teacher. Then the teacher can herself see the student's handwriting and match the rating. If the teacher wants to show a video or a photo, then the notebook holder can double as a screen so that everyone can see the video/photo without the worry of everyone not being able to see the photo/video.

AI in Education

Bhavik Gupta
11 years

I think that In a few decades, AI will be integrated into the educational industry. The changes shall be immense as they will help bring efficiency, security and accessibility to the students, parents, teachers and other members of schools. Imagine AI-powered smart boards which directly sync with the tablets being used by students in class. Or, camera and temperature control shall keep track of students and maintain a certain ambient temperature to maximise learning comfort for students respectively.

In addition, teachers will be able to make their tasks easier, no more will they have to worry about writing on boards or maintaining attendance registers. Students will be able to have better security both for themselves on the school premises and for their belongings in their classrooms. AI can truly make life at schools much better.