



THE 3 GLOBAL IT TRENDS

Artificial Intelligence (AI), Cybersecurity, and Blockchain are three core technology trends that are making an impact in advancing today's world.

These are the key trends that are crucial in shaping not only the world but also South Africa.

Artificial Intelligence



Gen AI is revolutionizing how we learn; it offers a new learning pace and style, tutoring systems, and quizzes to enhance understanding and engagement.

Maisiri (2024) emphasizes that AI can help educators provide high-quality education, mark papers, do administrative tasks, and develop teaching methods.



Cybersecurity



Protecting businesses and people's data is crucial, even though you cannot be fully 100% protected, as businesses and people need to check for vulnerability steadily.

Blockchain



Schlakohl (2020) states that Bitcoin was valueless in March 2010; a decade later, each one is valued at 20,000 dollars, and investors were driving Lamborghinis.



NEGATIVES OF THE TRENDS



AI - Marchetti (2019) mentioned that resulting from job losses brought about by AI automation Have propelled South Africa's largest bank with a possibility to strike in the country's history.

Cybersecurity - "South Africa reportedly suffers the most ransomware and business email compromise incidents in Africa"(Buchan and Devanny)

Blockchain - Hackers use blockchain technology for money laundering, making it hard to trace how it was laundered. "Blockchain technology has been used to create and promote cryptocurrency scams, such as Ponzi schemes and pump-and-dump schemes" (Yaghi, 2023).

Impacts AI in SA



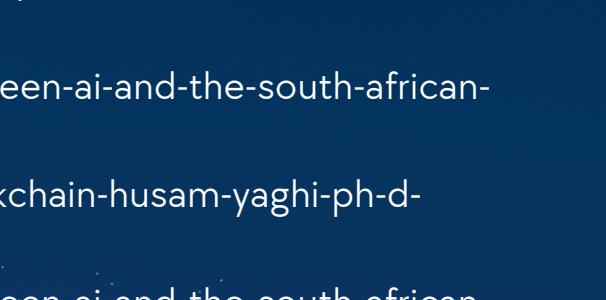
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Impacts Cybersecurity in SA



Buchan and Devanny (2024) stated that, like in other countries, South Africa's digital access has significantly increased, and there is an increase in the attack surface available to hackers. The COVID-19 outbreak has caused an enormous increase in cybercrime in the country; these hackers use ransomware via email.



REFERENCE LINKS



- <https://carnegieendowment.org/research/2024/01/south-africas-cyber-strategy-under-ramaphosa-limited-progress-low-priority?lang=en>
- <https://mybroadband.co.za/news/cryptocurrency/381532-the-dark-side-of-bitcoin-in-south-africa.html>
- <https://principa.co.za/finding-the-balance-between-ai-and-the-south-african-workforce/>
- <https://www.linkedin.com/pulse/dark-side-blockchain-husam-yaghi-ph-d-fhpqe/>
- <https://principa.co.za/finding-the-balance-between-ai-and-the-south-african-workforce/>