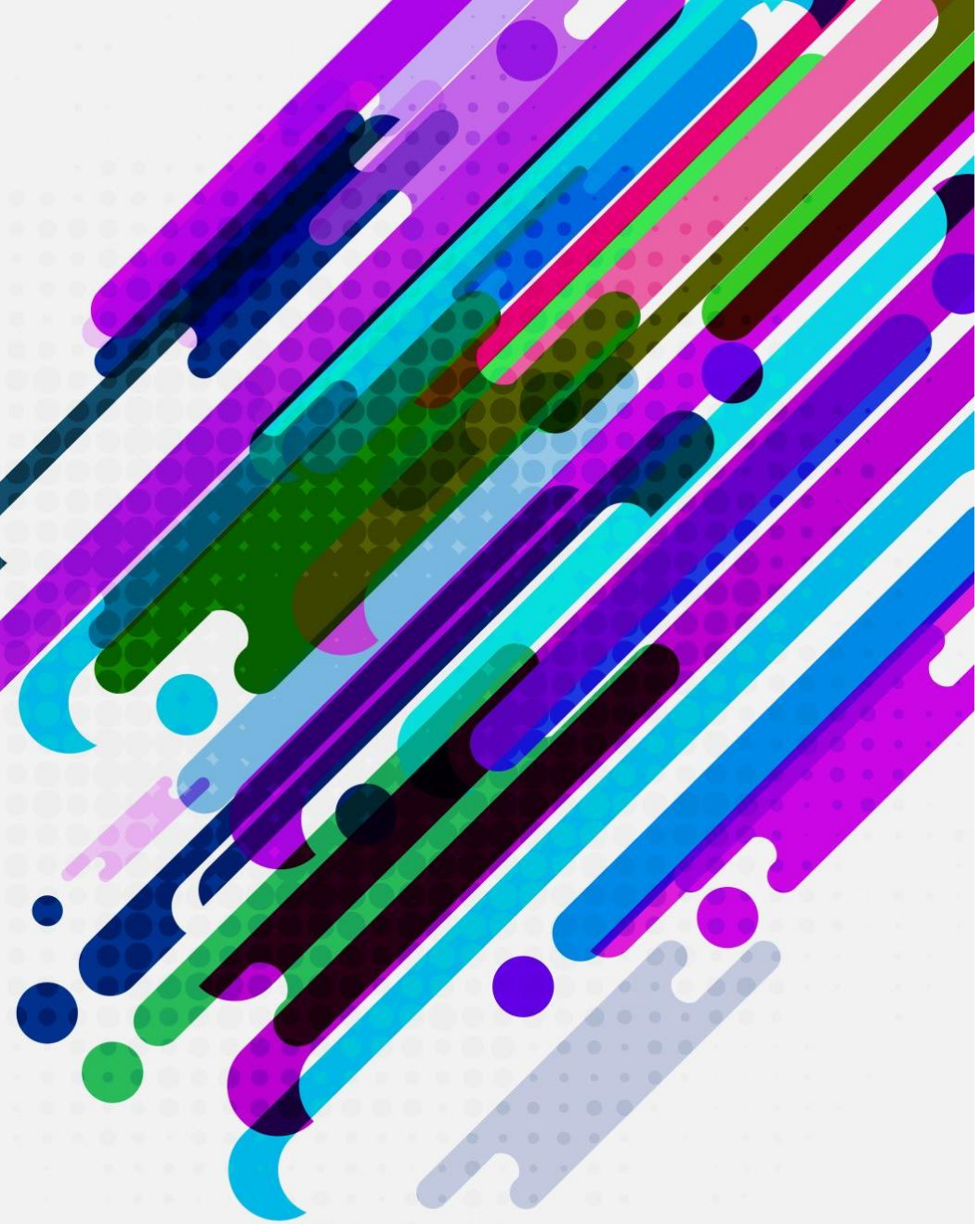


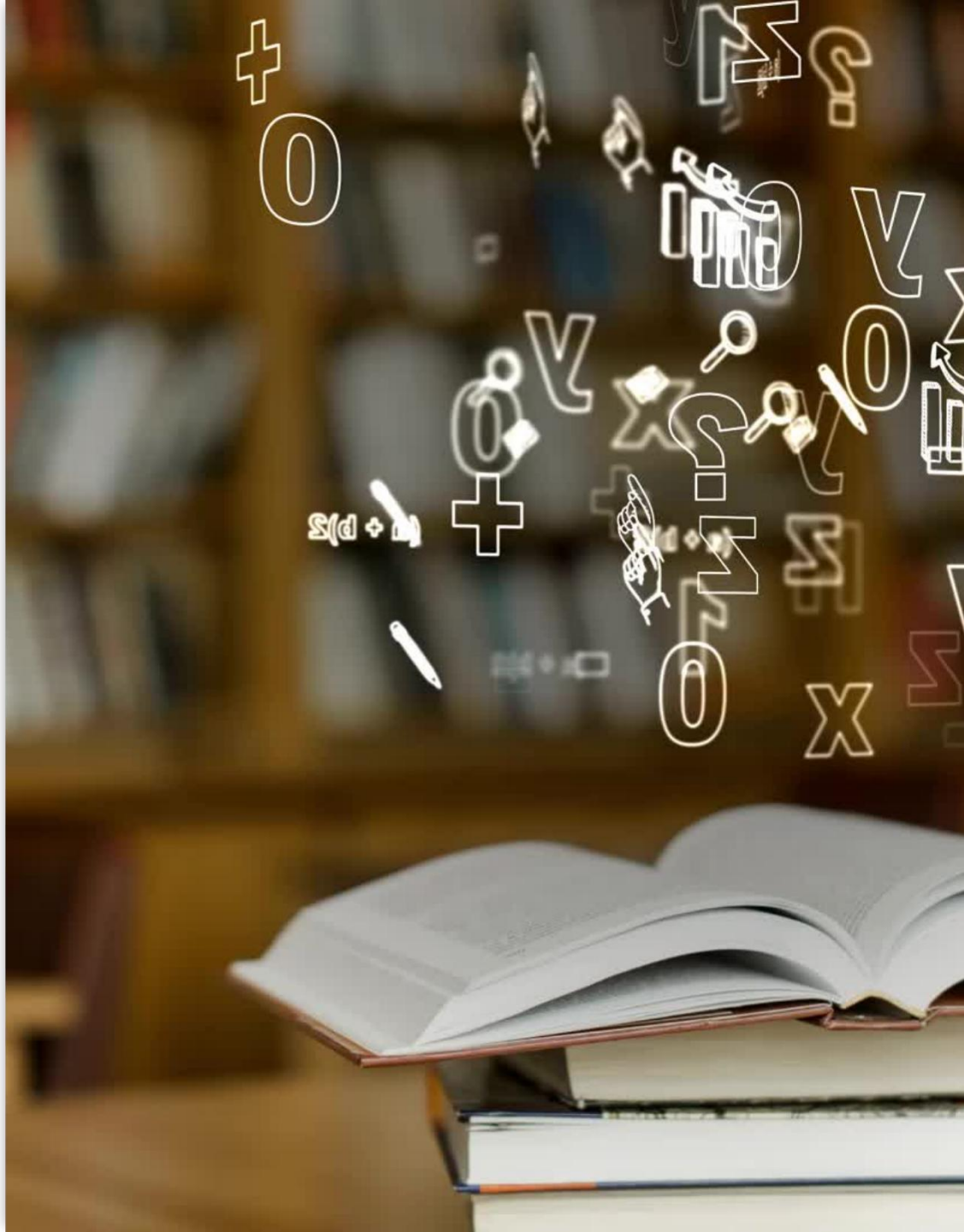
The role of AI in enhancing the education system in Somalia

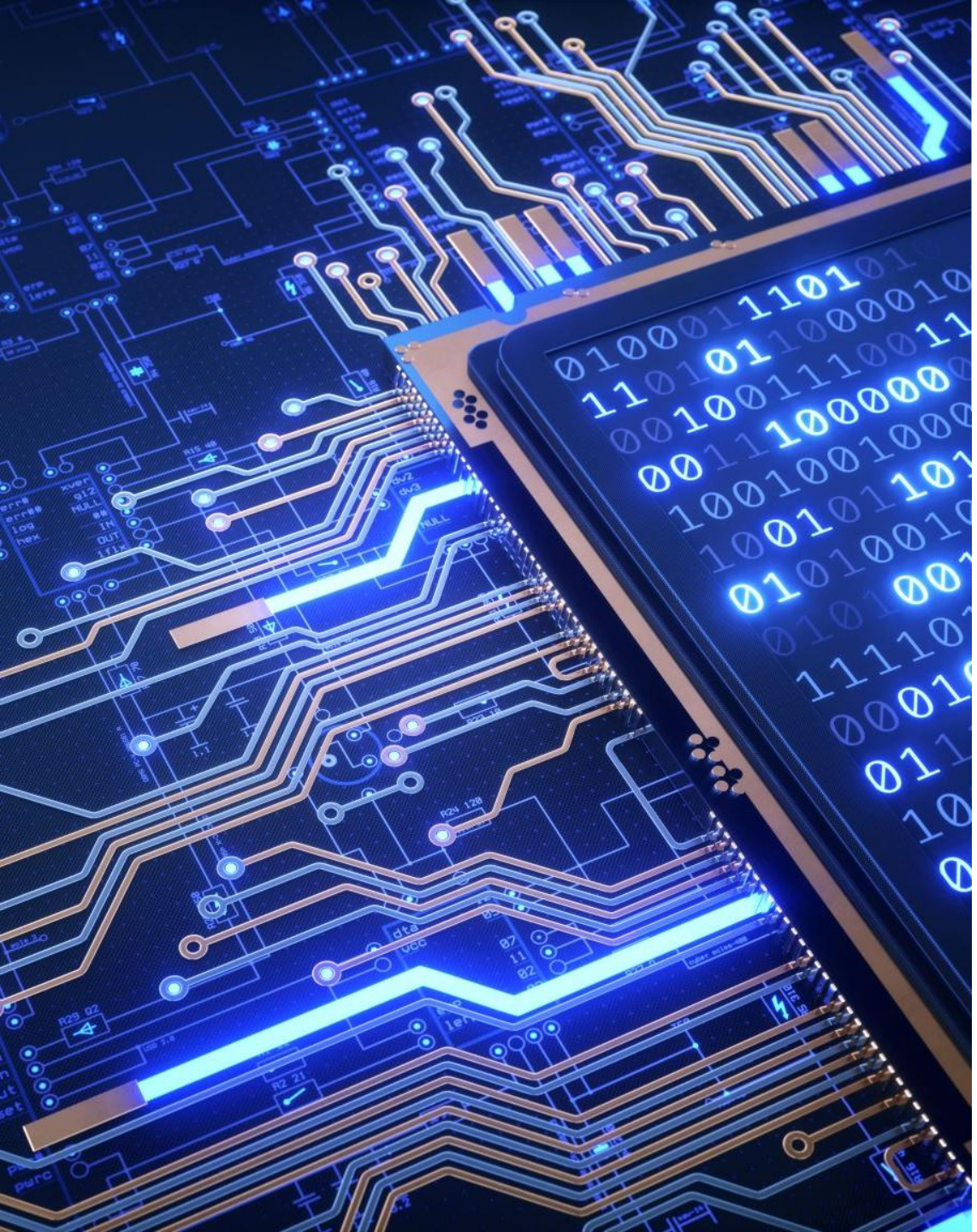
Husein Osman,
ICT specialist and expert in digital transformation

Registrar, SIMAD University

Content

- Overview AI in Education
- Current State of AI in Education in Somalia
- The adoption and usage of Some AI application in Somalia
- The benefits of AI in education
- The challenges AI in education in Somalia
- Opportunity of AI education in Somalia
- AI initiatives in Somalia
- Recommendation for implementing AI education in Somalia





Introduction

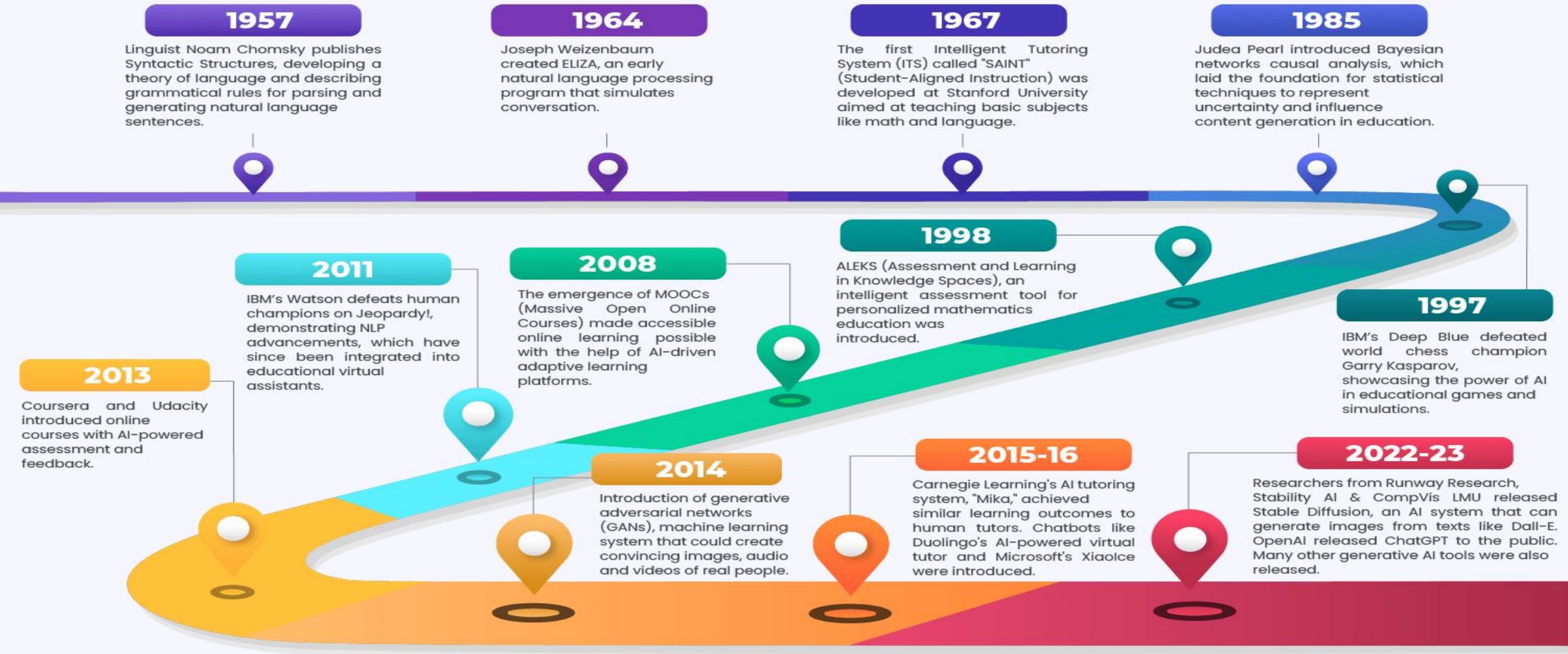
- Artificial intelligence (AI) refers to the ability of a digital machine to perform tasks commonly associated with intelligent beings, and its associated technologies are divided into various branches, such as computer vision, speech, machine learning, big data, and natural language processing (Chiu, 2021; Chiu et al., 2022; Xia et al., 2022).

AI in education

- AI in education (AIEd) refers to the application of AI technologies, such as intelligent tutoring systems, chatbots, robots, and the automated assessment of all modes of digitized artifacts that support and enhance education.



History of AI in Education



Reference: https://www.bbc.co.uk/teach/ai-15-key-moments-in-the-story-of-artificial-intelligence/zh77cqt, https://www.techtarget.com/searchenterpriseai/definition/generative-AI

Current State of AI in Education in Somalia

- **Basic education**
  - Basic education in Somalia focuses on primary and secondary levels.
  - Ministry of education has introduced the Technology course for basic education system in Somalia
  - Limited access to resources and infrastructure poses challenges for AI integration.
  - Initiatives like online platforms are emerging, aiming to supplement traditional teaching methods.
  - Challenges include the digital divide and the need for teacher training to optimize AI tools.



Higher Education Landscape

- Higher education in Somalia includes universities, colleges, institutes and vocational training institutions.
- A growing emphasis on science, technology, engineering, and mathematics (STEM) fields.

AI Integration in Higher Education

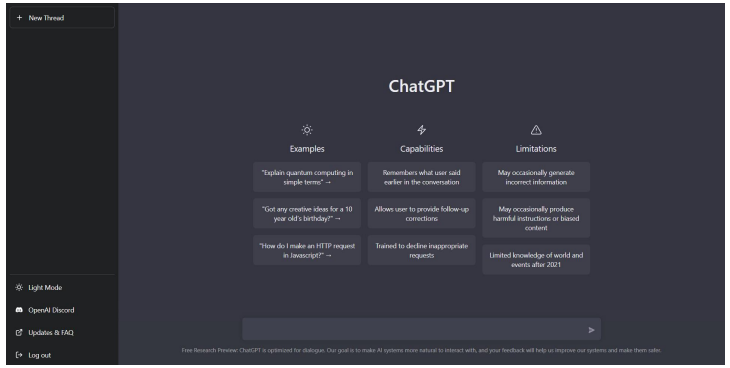
- Universities exploring AI for research, data analysis, and student support services.
- AI-powered tools for research assistance, plagiarism detection, and grading.
- Online learning platforms gaining traction for flexibility and accessibility.

Some AI applications Used in Somalia (HE)

AI Admin assistance	google Classroom, google translation
AI detectors	Turnitin Copyleaks
AI Quiz Makers	Classpoint
AI Lesson planer:	Lessonplan.ai Copilot
AI Language processing :	Grammarly QuillBot Wordtone

AI Language Model: ChatGPT

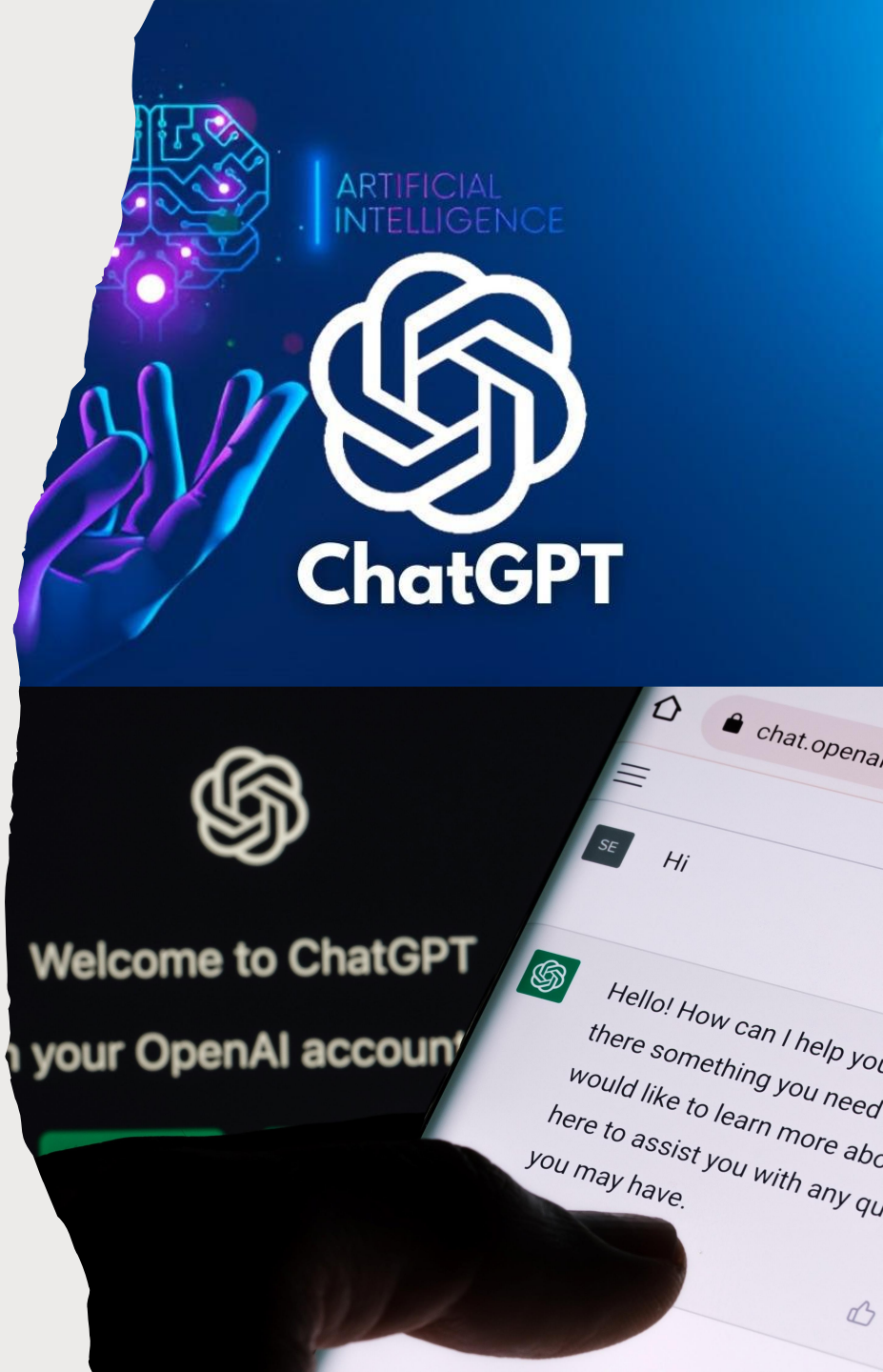




Somali ChatGPT

ChatGPT

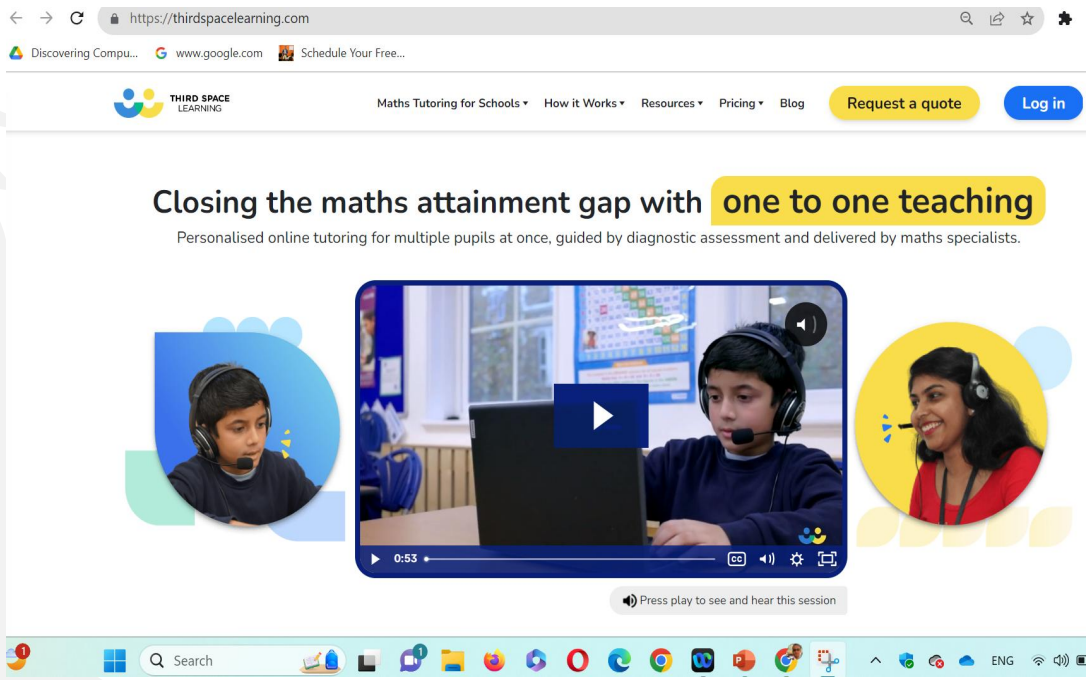
ChatGPT in Education: ChatGPT, like in this interaction, can be used as a tool for students to seek clarification, practice writing, or enhance language skills.



Third Space Learning

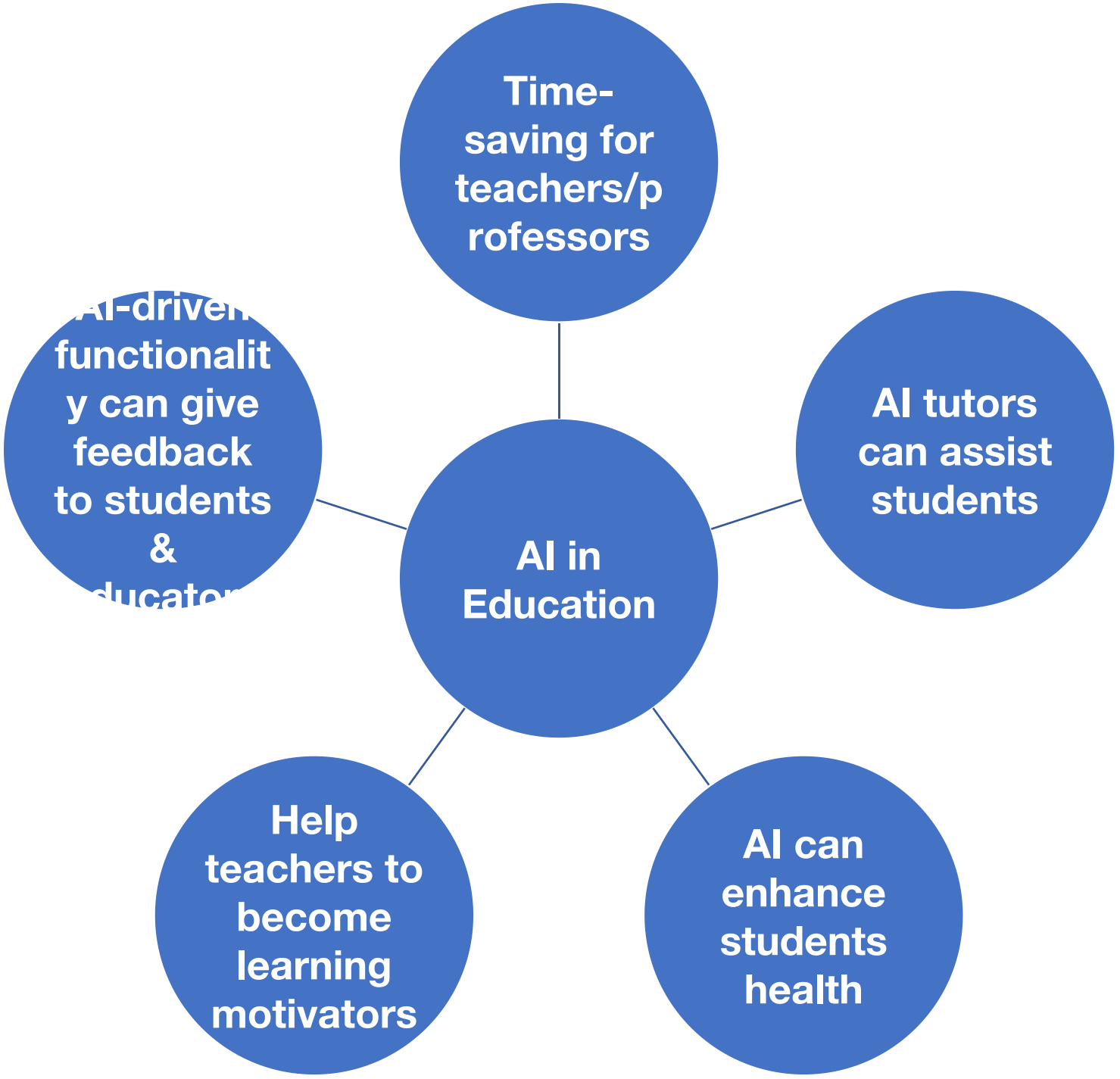
Some Somali Diaspora use ***Third Space Learning:***

Third Space Learning employs AI to provide personalized online math tutoring, adapting to students' learning needs in real-time.



THIRD SPACE LEARNING

Benefits of AI in Education



Challenges

- **Lack of a comprehensive AI policy education framework for schools and universities**
- **Access and Infrastructure of ICT in Education**
- **Digital Literacy for some Somalian teacher**
- **Data privacy and security concerns**
- **Cost of implementation**
- **Lack of technical expertise**
- **Training Programs for Educators:**

Opportunity of AI education in Somalia



Customized Learning Paths:



Remote Learning Access:



Language Support and Localization:



Data-Driven Decision Making for Educational Policy:

Opportunity of AI education in Somalia



AI-Driven Research Initiatives:



Building AI Communities:



Global Collaboration in AI Education:



AI Policy Advocacy:

AI initiatives in Somalia

https://aisomalia.so/

https://www.somalichatgpt.com/

https://indabax.so/

https://ai-somalia.com/

https://eurosom.com/ai-chatgpt.html

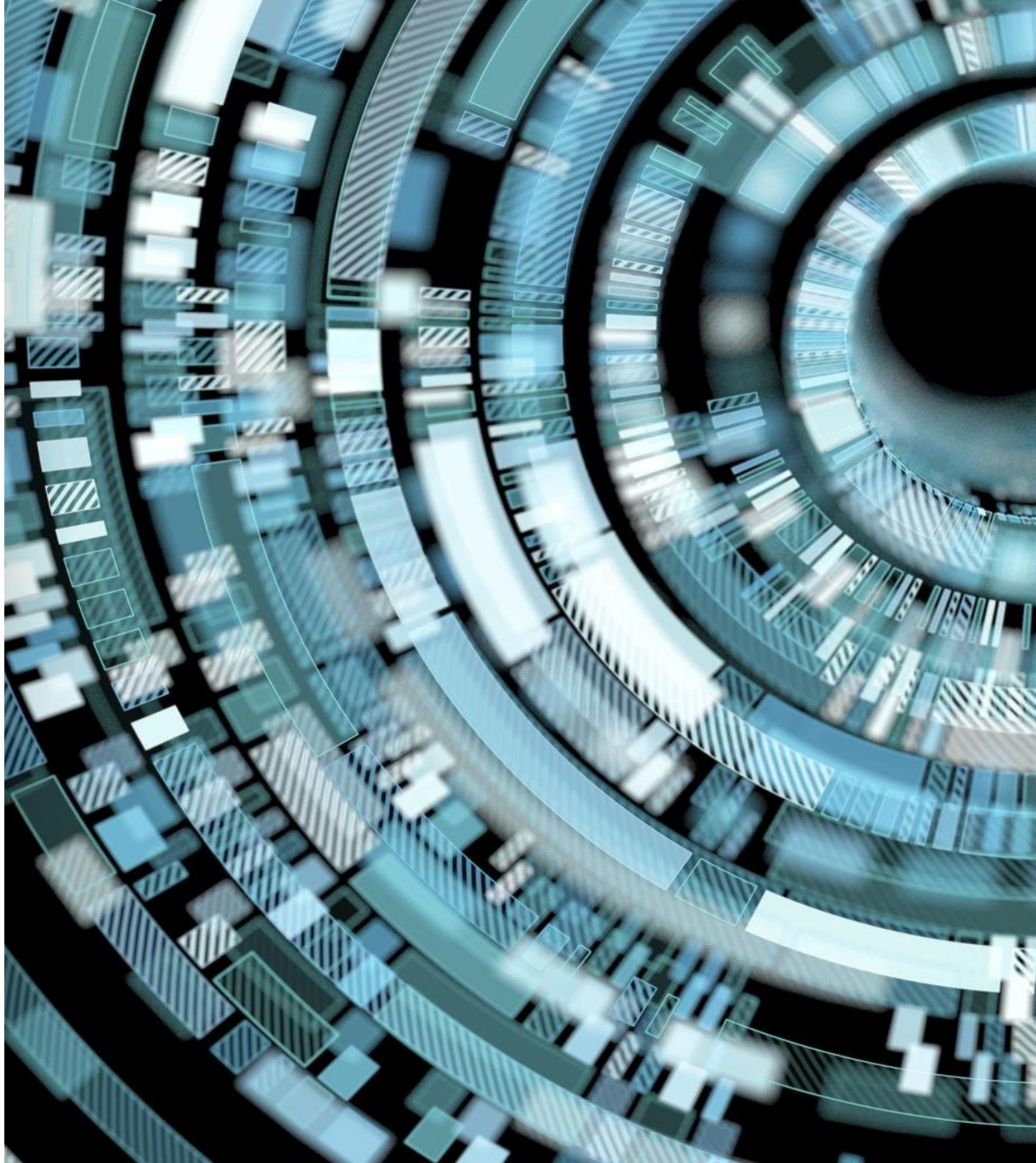
https://www.swiftcomma.so/

https://pycon.org.so/

https://oksomalia.org/

AI initiatives in Somalia

- **Rapid Growth:** Somalia has seen increasing interest in Artificial Intelligence (AI) initiatives by the ***academics.***
- **Diverse Initiatives:**
- **Educational Support:** AI is being utilized in platforms like somalichatgpt.com to enhance education and knowledge dissemination.
- **AI Advocacy groups:** ai-somalia.com, indabax.so eurosom.com swiftcomma.so are contributing to Advocacy and awareness of AI use in Somalia.
- **Community Engagement:** oksomalia.org and pycon.org.so focus on community engagement and skill development in AI.



AI initiatives in Somalia (Academics)

- SIMAD University has SIMAD iLab to promote AI applications in SME business in Somalia
- Zamzam University has AI Lab to train AI developers in Somalia.
- Benadir University and JUST also have incubation hubs for digital transformation in Somalia
- Other Universities in Somalia have a similar initiatives.



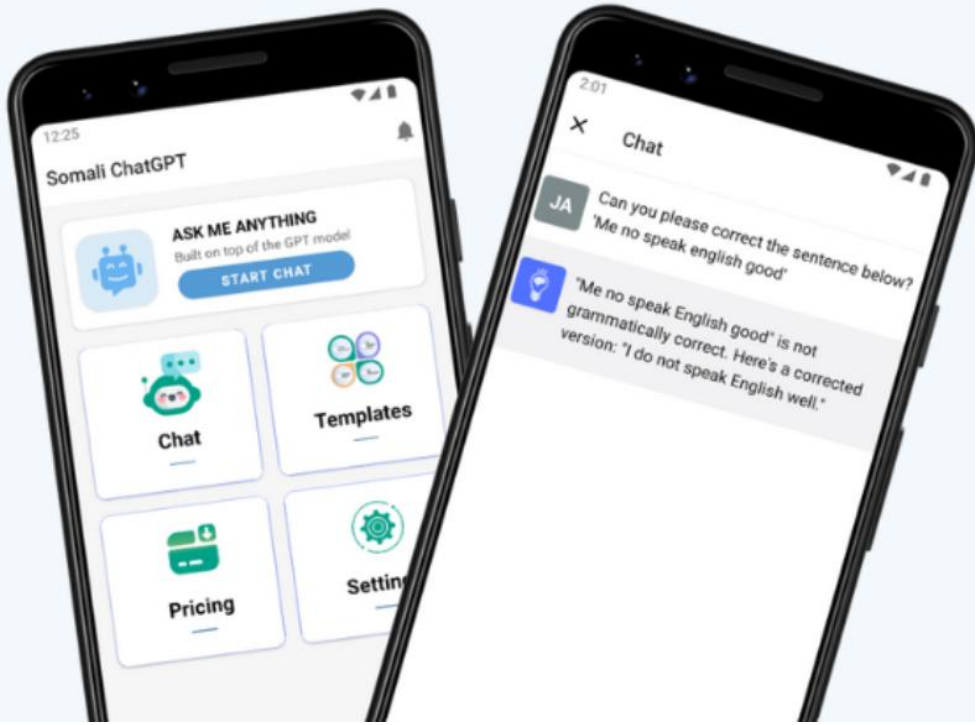
somalichatgpt.com

Somali ChatGPT

Somali ChatGPT is a modern solution for sharing knowledge and information among Rese

Start Chat

GET IT ON Google Play



DEEP LEARNING INDABAX SOMALIA

INDBAX SOMALIA

CONFERENCE THEME

of AI in Addressing Disasters and Displacement in S
Host university Zamzam

The date November 15 and 16

ai-somalia.com

Contact Privacy Policy



you the most relevant experience by remembering your preferences and


pycon.org.so
PyCon Somalia
Home
About
Speakers
Sponsors
Code of Conduct
Welcome to PyCon Somalia 2023
Introducing the 1st Python Language Conference in Somalia: A Gathering of Professionals, Entrepreneurs, Scientists, and Students. Organized by Zamzam University of Science and Technology
REGISTER NOW
23
15
02
49

Recommendation for implementing AI education in Somalia

- Strategies for introducing AI in the Somali education system
- Collaboration between government, NGOs, and tech companies, education sector
- Stakeholder involvement and community engagement
- Government agencies should come AI Policies and strategics for guiding the implementation AI education in Somalia
- UNESCO should offer TOT programs to Somali Professionals to empower them to contribute effectively to their communities.



Thank you for your attention