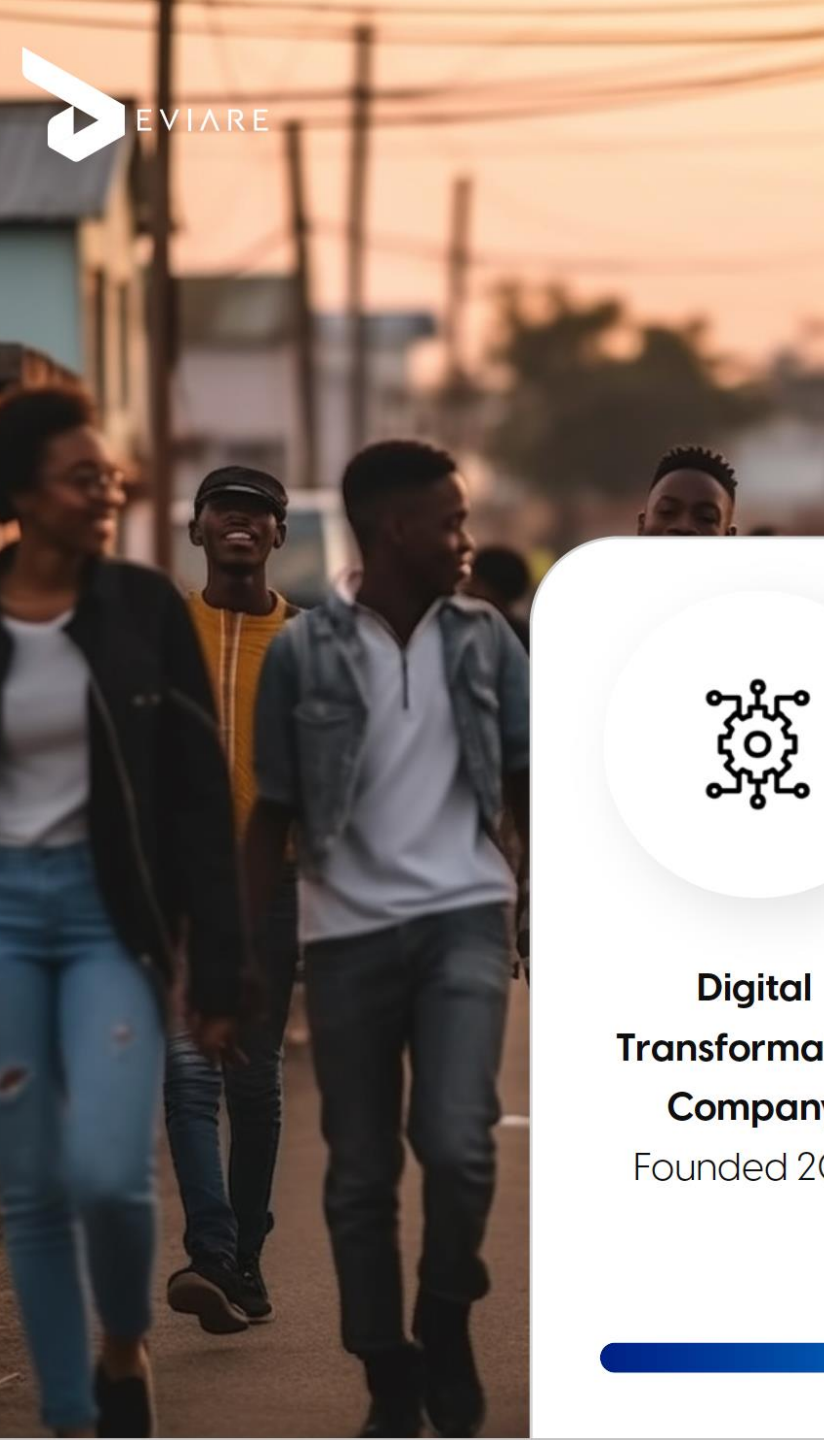




We are re-imagining tech solutions in an African context.
What does your future look like to you?





About Deviare.

Driving Digital Transformation in an African context.



**Digital
Transformation
Company**
Founded 2017



Our Purpose
Help organisations
build capability &
capacity for Digital
Transformation



Scalable Platform
To accelerate Digital
Transformation

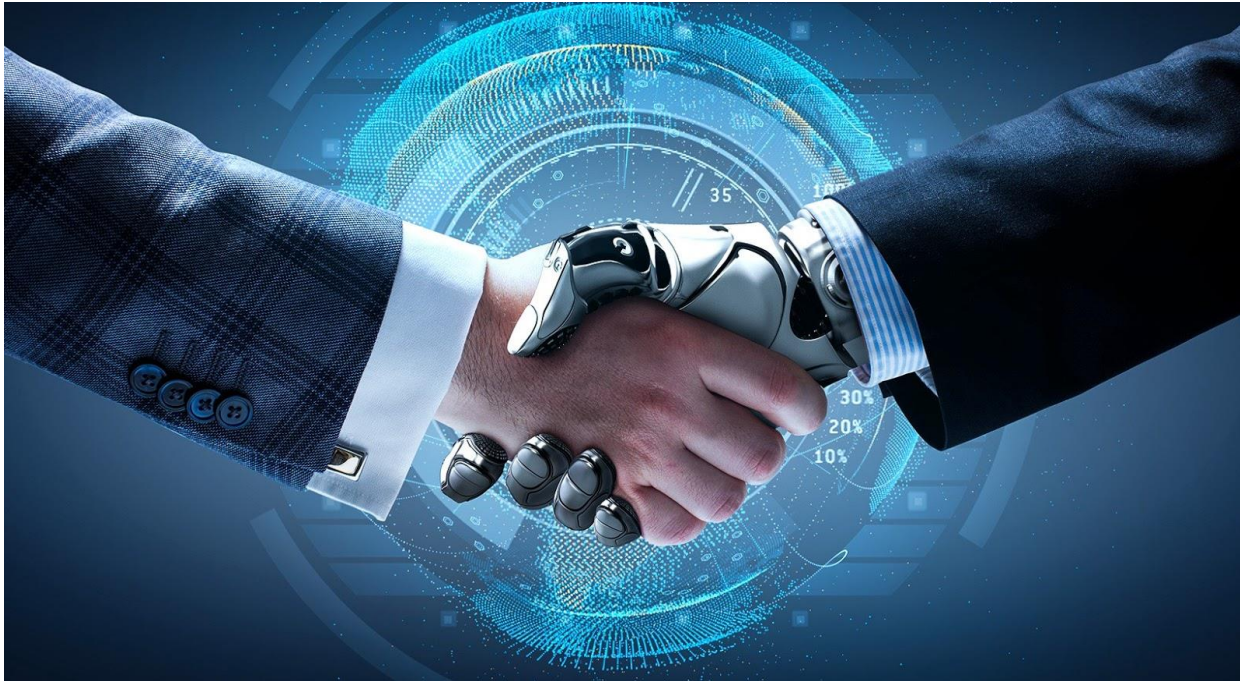


**Integrated
Approach**
To Digital
Transformation for
Enterprises across
Africa

Agenda

- AI explained
- Use cases in business
- Quick Break [10 mins]
- Challenges faced by SMMEs
- Panel discussion
- Opportunities for AI Adoption
- Summary

SMMEs in ICT: Benefit of AI Adoption



Artificial intelligence (AI) presents transformative opportunities for small, medium, and micro enterprises (SMMEs) in the information and communications technology (ICT) sector in South Africa. By leveraging AI-powered tools and technologies, SMMEs can enhance productivity, streamline operations, and drive innovation.

YOUTUBE VIDEO

1M+ VIEWS

Machine Learning

ARTIFICIALLY INTELLIGENT

simplilearn

WHAT IS ARTIFICIAL INTELLIGENCE?

The image is a YouTube video thumbnail for a video titled "WHAT IS ARTIFICIAL INTELLIGENCE?". The title is written in large, bold, black letters by a hand holding a black marker. The background is white and features several illustrations related to artificial intelligence and machine learning. At the top left, there is a brain icon and the text "Machine Learning". In the center, there is a lightbulb icon and the text "ARTIFICIALLY INTELLIGENT". At the top right, there is a robot icon and the text "simplilearn". On the left side, there is a blue banner with the text "1M+ VIEWS". Below the banner, there is a circular illustration of a robot standing on a path leading to a tree. At the bottom left, there is a thought bubble containing a robot icon. At the bottom center, there is a diagram of a human head with a brain and a question mark, next to a neural network diagram. At the bottom right, there is a circular illustration of a robot with a lightbulb and a ruler. A hand is shown writing the title "WHAT IS ARTIFICIAL INTELLIGENCE?" in black marker.

Defining AI and its Subsets

Machine Learning

- Algorithms that learn from data to make prediction
- Example: Takealot recommendations

Natural Language Processing

- Training machines to interpret and understand human language
- Example: Nedbank's Enbi

Artificial Intelligence (AI) is the broad field of using machines to perform tasks that typically require human intelligence, such as learning, problem-solving, and decision-making. Some of the core capabilities of AI include machine learning, natural language processing, computer vision, and neural networks.

Computer Vision


- Extracts insights from digital images and videos
- Example: Apple's FaceID

Robotics

- Algorithms inspired by the human brain capable of learning patterns in data
- Example: Hotel Sky's Valet Robots

Categories of AI

100 STARTUPS USING ARTIFICIAL INTELLIGENCE TO TRANSFORM INDUSTRIES



CONVERSATIONAL AI/ BOTS	VISION	AUTO	ROBOTICS	CYBERSECURITY
MindMeld, Maluuba, iRobot, KITT.AI, snips, AUTOMAT, X, clara	clarifai, tronocom, Orbital insight, piloto.ai, optricity, GROKSTYLE	nuTonomy, drive.ai, AMMOTIVE, nauto, iHexar, ZEXX	UBTECH, anki, Rokid, dispatch	CYLANCE, sift science, sparkcognition, deepinstinct, Shift Technology, DARKTRACE
BUSINESS INTELLIGENCE & ANALYTICS	DataRobot, TRIFACTA, rapidminer, tamr, SIGOPT, Paxata, Ococontext, Relevant, Dataminr, logz.io			
CORE AI	affectiva, PETUUM, ALGORITHMIA, H2O, loop, CognitiveScale, sentient, Voyager Labs, Numenta, Scaled Inference, skymind, vicarious, Digital Reasoning, bonsai, AYASDI			
AD, SALES, CRM	TalkIQ, deepgram, [PERSADO], Clippier, CHORUS, INFLUENCE SALES CO., drawbridge, DigitalGenius, RESCI			
HEALTHCARE	freename, CLOUD MEDX, zebra, enlitic, twoAR, iCarbonX, Atomwise, deep genomics, babylon, BenevolentAI, Lunit			
FINTECH & INSURANCE	CAPE, KENSHC, NUMERA1, alphasense, Kasisto			
OTHER	GIGSTER, prospera, Citrine, BLUE RIVER, ROSS, zymogen, Descartes Labs, ali gradescope, talla			
TEXT ANALYSIS/ GENERATION	textio, Fido.ai, cortical.io, NarrativeScience			
IOT/IOT	nanit, KONUX, VERDIGRIS, NIGHT MACHINE			
COMMERCE	bloomreach, mode.ai			

Narrow AI

- AI that operates within specific defined requirements. Examples include, chatbots, Siri.

General AI

- Human like intelligence that can adapt and learn across a wide range of tasks.

AI Tools

AI tools encompass a wide range of software applications designed to augment human capabilities through artificial intelligence.

100 AI Tools For Business

Get free access to AI tutorials and guides on using popular AI tools at joinhorizon.ai

Brainstorming <ul style="list-style-type: none">• ChatGPT• Ideas AI• DimeADozen• Claude• ValidatorAI	Workspace management <ul style="list-style-type: none">• Notion• ClickUp• BeforeSunset AI• Coda• Taskade	LinkedIn marketing <ul style="list-style-type: none">• Taplio• Social Comments GPT• Postil• AuthoredUp• Supergrow	YouTube marketing <ul style="list-style-type: none">• VidIQ• TubeBuddy• Opus• Scrip AI• YT Copycat	Twitter marketing <ul style="list-style-type: none">• Tweet Hunter• Typefully• Tribescaler• Fedica• AI Social Bio
Instagram marketing <ul style="list-style-type: none">• HeyGen• RepurposePie• Submagic• Klip• Veed• InMagic	Email marketing <ul style="list-style-type: none">• Beehiiv• Superhuman• Mails AI• Robin AI• Promo AI	Image generation <ul style="list-style-type: none">• MidJourney• DALL-E 3• Leonardo AI• Firefly• Ideogram• LensGo	Website building <ul style="list-style-type: none">• Typedream• 10Web• Durable• Mixo• Framer	Chatbot development <ul style="list-style-type: none">• Chatsimple• Dante• AirOps• Chatbotgen• Chatling
Video creation <ul style="list-style-type: none">• HeyGen• Invideo• Synthesia• Runway• Pictory	Podcasting <ul style="list-style-type: none">• Podstash• Type Studio• Audio AI• 2short AI• Podnotes	SEO <ul style="list-style-type: none">• Seona• AutoBlogging• SEO Content AI• RankWizard• Squirrly SEO	Automation <ul style="list-style-type: none">• Bardeen• Zapier• Harpa AI• PixieBrix• Xembly	Design <ul style="list-style-type: none">• Canva• Uizard• Microsoft Designer• Galileo• Stylar
Presentations <ul style="list-style-type: none">• Gamma• PresentationsAI• Tome• Storyd• Journey	Analysis <ul style="list-style-type: none">• ChatCSV• Rows• SheetAI• Excel Formula Bot• Flowshot	Productivity <ul style="list-style-type: none">• Vimcal• Merlin• Grammarly• Textblaze	Copywriting <ul style="list-style-type: none">• Writesonic• Jasper• Rytr• Marketing-Blocks• Cohesive	Programming <ul style="list-style-type: none">• Github Copilot• Codelium• Safurai• Amazon CodeWhisperer• Replit

Challenges Faced by SMMEs in the ICT Sector

1 Limited Resources

SMMEs often lack the financial capital and skilled personnel to keep up with the rapid technological advancements in the ICT sector.

2 Intense Competition

Competing against larger, well-established players can be daunting for SMMEs, who struggle to differentiate themselves and gain market share.

3 Regulatory Hurdles

Navigating complex compliance requirements and government policies can present significant challenges for SMMEs in the ICT industry.

4 Adaptability Challenges

The fast-paced nature of the ICT sector requires SMMEs to quickly adapt to new technologies and changing customer needs, which can be difficult.

Mentimeter: <https://www.menti.com/aln2dypi7ccv>

Join at menti.com | use code 4538 7912

Instructions

Go to

www.menti.com

Enter the code

4538 7912



Or use QR code

Panel Discussion Themes



Lack of Expertise

SMMEs may lack the necessary AI expertise.



Data Challenges

Dealing with data quality and quantity issues.



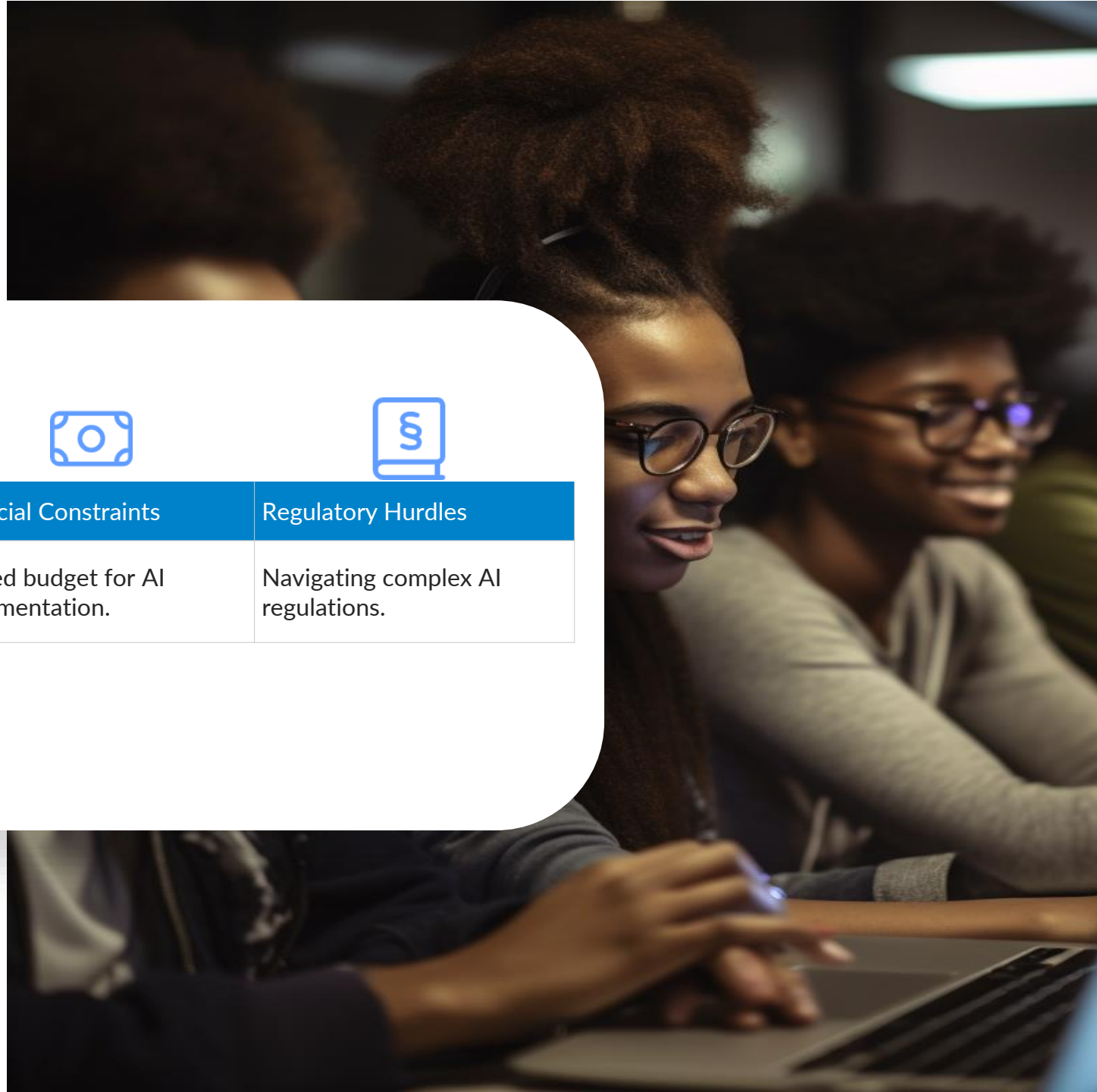
Financial Constraints

Limited budget for AI implementation.



Regulatory Hurdles

Navigating complex AI regulations.



Opportunities for AI Adoption

1

Increased Productivity

AI can automate repetitive tasks, freeing up SMMEs to focus on more strategic initiatives and driving growth.

2

Data-Driven Decisions

AI-powered analytics can provide SMMEs with valuable insights to make informed, data-driven decisions.

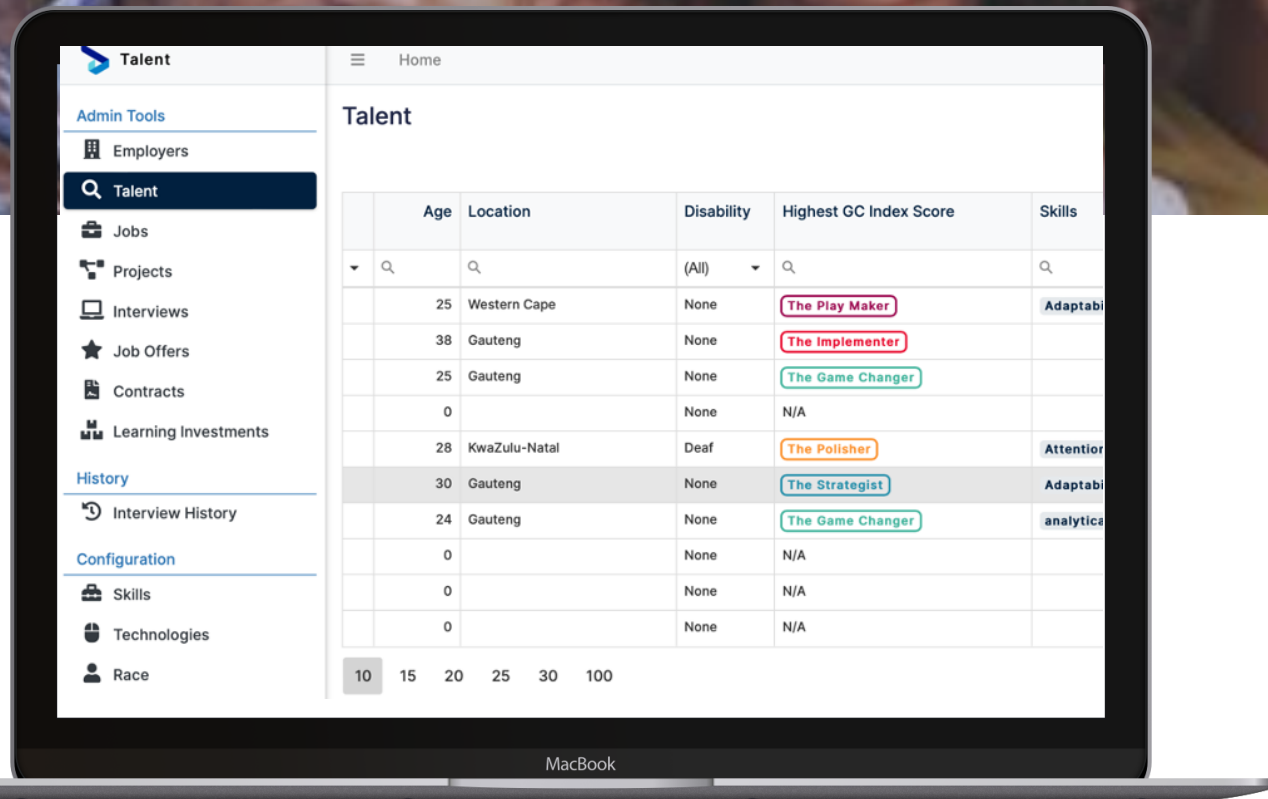
3

Fostering Innovation

AI can enable SMMEs to develop new products, services, and business models, driving innovation and staying competitive.

BUILD YOUR DREAM TEAM WITH DEVIARE'S DIGITAL TALENT

CONNECTING OUR GRADUATES TO REAL WORK OPPORTUNITIES.



Scan code to access Deviare's Raw Talent on the Talent Platform



Conclusion

In conclusion, the adoption of AI technology presents significant opportunities for South African SMMEs in the ICT sector to enhance operational efficiency, improve customer experiences, and drive innovation and competitiveness. By overcoming the barriers to AI adoption, SMMEs can unlock the full potential of this transformative technology.



Our purpose is to create and develop the capacity for organisations to thrive in a digital African context.

www.deviare.africa
connect@deviare.co.za