



Artificial Intelligence & the Future of Work – Implications for Skills Development & the Prosperity for States in Nigeria

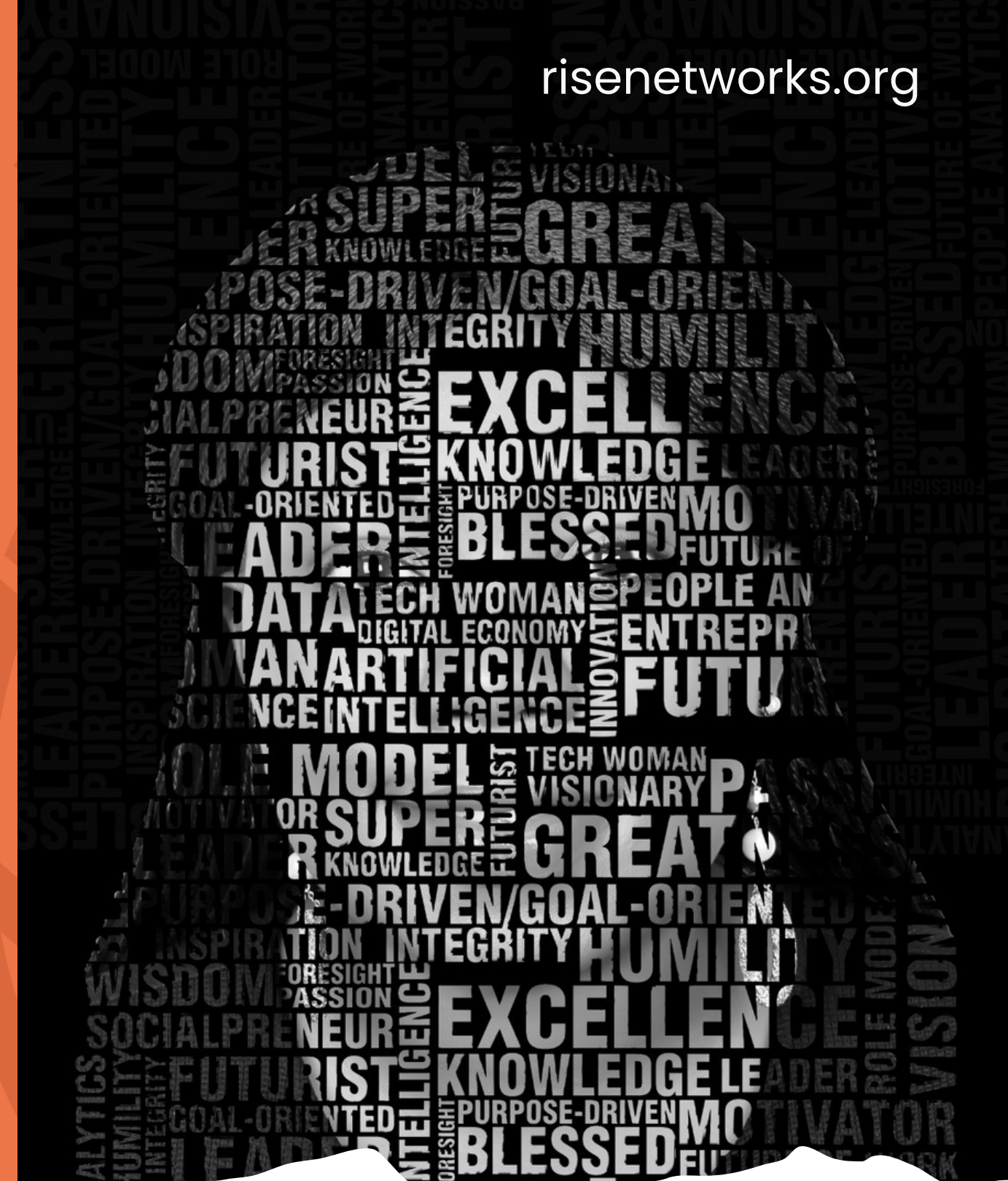
Presented By

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...at the Ekiti State Innovation Summit

Adetiloye Hall, Fountain Hotel, Ado
Ekiti, South West Nigeria

21st November 2023



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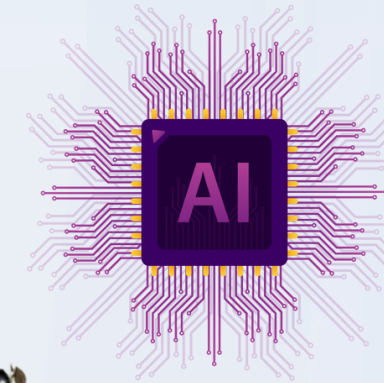
Been hearing AI, AI everywhere, What's this **Artificial Intelligence** thing?

AI involves creating computer systems that can perform tasks typically requiring human intelligence. This includes learning, reasoning, problem-solving, perception and language understanding.

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Myths about AI

Myth 1: AI Can Think Like Humans

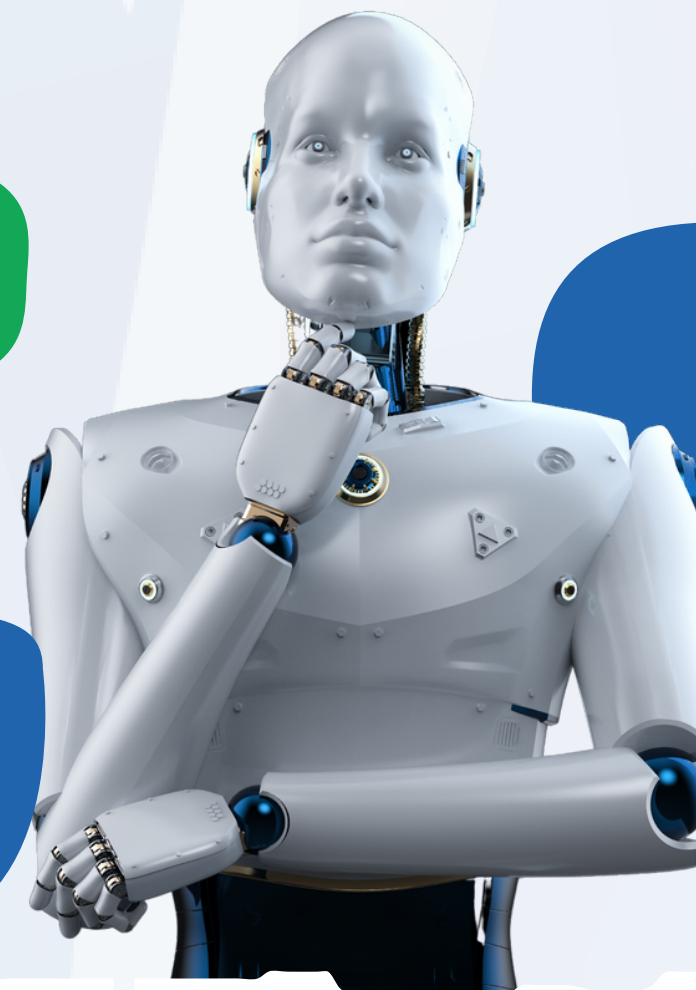
Reality: AI mimics certain aspects of human intelligence but lacks consciousness and emotional understanding.

Myth 2: AI Will Lead to Massive Job Losses

Reality: While AI can automate some tasks, it also creates new job opportunities and roles.

Myth 3: AI Can Solve All Problems

Reality: AI is a tool and its effectiveness depends on how it's used. It has limitations and is not a fix-all solution.



Myth 4: AI Works Flawlessly

Reality: AI systems can make errors, especially when dealing with complex or ambiguous situations.

Myth 5: AI Will Eventually Surpass Human Intelligence

Reality: Current AI is specialized and far from achieving the broad, adaptable intelligence of humans.

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AI's Impact on Young People - Changing Lives, Careers and the World

AI Can Change Lives and Careers

Personalized Education: AI can tailor learning experiences to individual needs, enhancing educational outcomes.

Career Opportunities: Growing demand in fields like AI development, data analysis and AI ethics.

Work Efficiency: AI tools can automate routine tasks, allowing more focus on creative and strategic work.



Kickstarting a Career in AI

Educational Pathways: Pursue courses in computer science, data science or related fields. Engage in online courses and certifications specific to AI and machine learning.

Hands-On Experience: Participate in AI projects or internships, Contribute to open-source AI projects to gain practical experience.

Opportunities in the AI Industry

Diverse Roles

Opportunities not just in programming, but also in AI ethics, policy and research.

Global Demand

Increasing demand for AI talent in various sectors worldwide.

Entrepreneurial Ventures

Potential for starting AI-based startups addressing niche problems.

Continuous Learning

AI is a rapidly evolving field, offering endless opportunities for learning and growth.



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Rise Networks as a Preferred AI Learning & Application Partner in Nigeria

Rise Networks is a leading people and systems driven Technology Education Company especially in Data and Artificial Intelligence - empowering individuals, organizations and communities to fast track their growth and deepen their impact within human Society. With years at the forefront of learning, research and work readiness and human capital innovation, we understand what's required to become the game changer - in your career, business, non-profit, government and the world in general.

YOU'RE WELCOME TO LEARN, BUILD AND COLLABORATE WITH US

Take our Courses; they are vast, flexible and rich in use cases that would help you grasp real-life applications of AI across various industries.

- 2) We can boast of a rich lineup of very experienced and empathetic instructors who understand what it means to match learning and imagination with industry expectations.
- 3) We have a solid international network, track record of excellence, hybrid program delivery and commitment to creating opportunities that improve the work readiness capacity and competitiveness of our students for global relevance.

AI Industry Insights for Young People - Shaping the Future

Healthcare:

- Diagnosing diseases with greater accuracy.
- Enhancing patient care through predictive analytics.

Finance:

- Fraud detection using sophisticated algorithms.
- Automated customer service with chatbots.

Manufacturing:

- Predictive maintenance to preempt equipment failures.
- Automation of production lines for efficiency.

Transportation:

- Development of self-driving vehicles.
- Optimization of traffic management systems.

Retail:

- Personalized customer recommendations.
- Inventory management through predictive analytics.



Global Statistics on AI Adoption and Projected Growth

Economic Impact:

- Potentially adding \$15.7 trillion to global GDP by 2030.
- Largest commercial opportunity in today's economy.

Market Value:

- Valued at \$62.35 billion in 2021.
- Expected to reach \$997.77 billion by 2028.

Growth Drivers:

- Increased availability of big data.
- Advancements in machine learning and natural language processing.
- More affordable and powerful computational capabilities.



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AI in Nigeria – Current Landscape

Overview of AI Development in Nigeria:

- Government Initiatives – National policy on AI to foster technological advancement | Investment in AI research and development.
- Educational Focus – AI-related courses and programs in universities | Workshops and seminars to boost AI knowledge.
- Collaboration with Global Tech Giants

Key sectors in Nigeria embracing AI:

- Finance, Healthcare, Agriculture, etc

Examples of Nigerian startups or projects utilizing AI:

- Healthcare Startups
- Fintech Solutions
- Agritech Innovations



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The Impact of AI on Job Markets Globally and in Nigeria

How AI is Transforming Job Markets Globally:

- Automation and Efficiency
- New Job Creation
- Shift in Skill Requirements
- Economic Impact

Potential Impact of AI on Nigerian Job Markets:

- Sector-Specific Transformations
- Urban and Rural Divide
- Digital Literacy and Education

Job Displacement and Creation Potential:

- Displacement Concerns
- Creation of New Opportunities
- Long-Term Outlook



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Skills Gap and Future Requirements

Skills Gap in the Face of AI Advancements:

- Current Workforce Preparedness
- Educational System Alignment - Traditional education systems did not align with the rapid advancements in AI technology
- Industry-Academia Disconnect - Mismatch between industry requirements and academic training.

Future Skills Needed to Thrive in an AI-Driven Economy:

- Technical Skills
- Soft Skills
- Digital Literacy

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Practical Strategies for Sub-National Governments on AI Adoption and Integration

Harness AI for Economic Growth and Skills Development:

- Developing AI-focused Educational Programs
- Fostering a Startup Ecosystem
- Promoting AI in Key Sectors
- Building Digital Infrastructure

Partnerships with Educational Institutions, Private Sector and Government Initiatives:

- Collaboration with Universities and Schools
- Engagement with the Private Sector
- Government-Led Initiatives - e.g. Launch government-funded AI innovation labs and research centers.

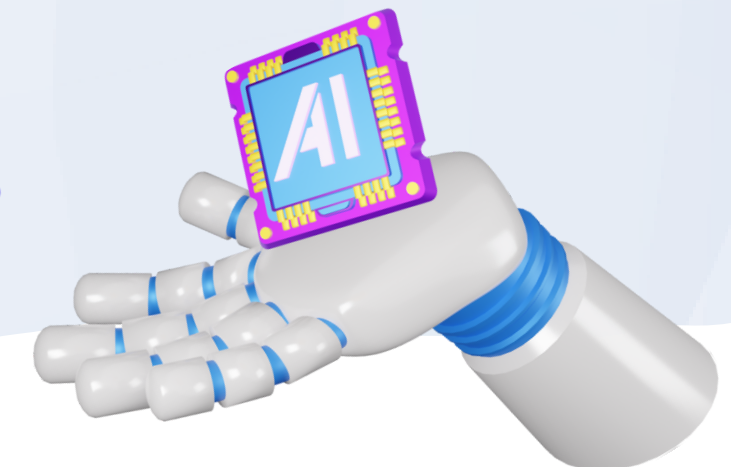
Policy Support, Investment in Education and Infrastructure Development:

- Clear Policy Frameworks and Regulation
- Investment in Educational Resources
- Infrastructure for AI Adoption

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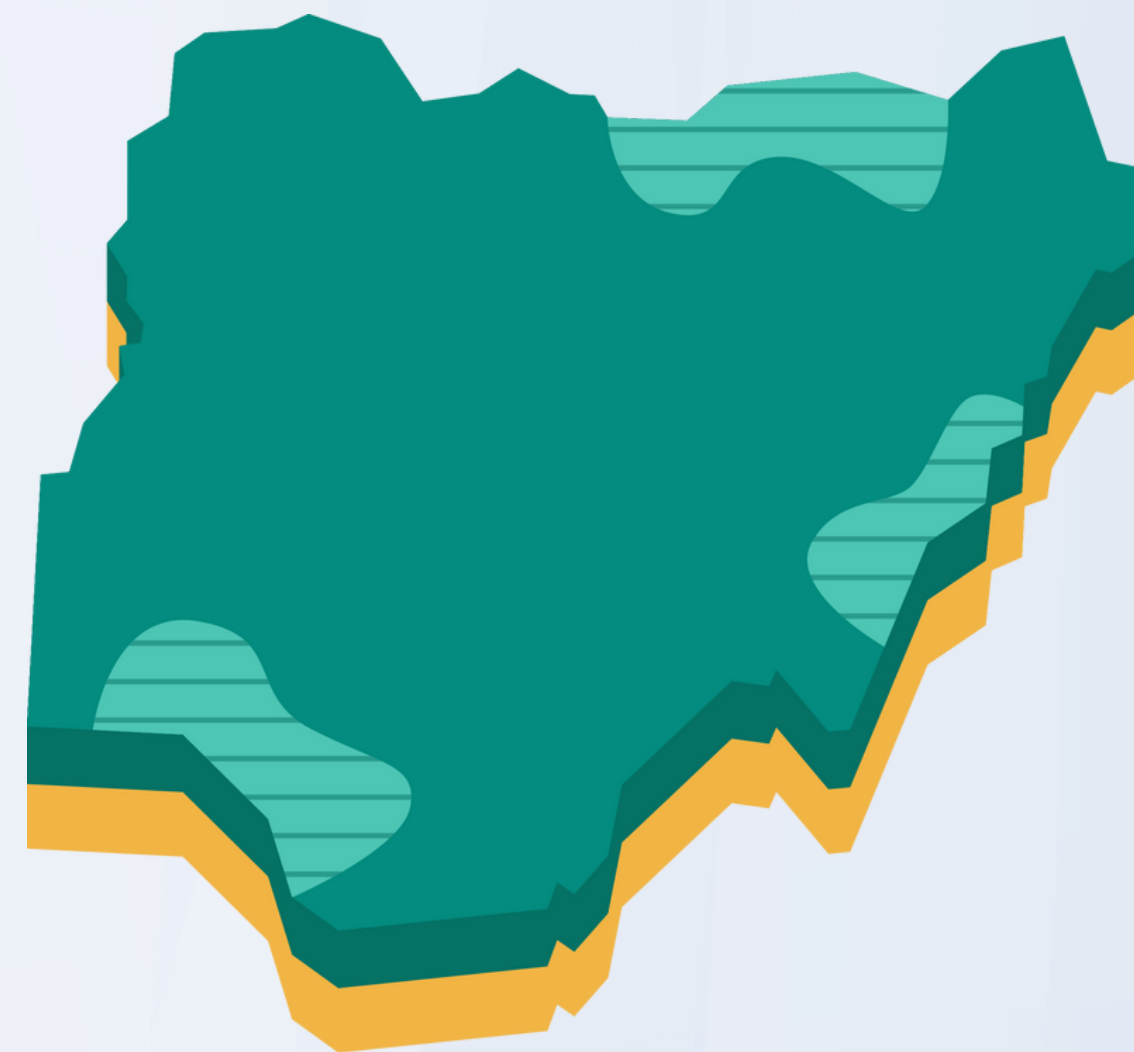
What can States in Nigeria do to turn Intellectual & Technical Acumen into Capital?

- 1.** Invest vigorously in Basic Digital Literacy across the State. IC3 Digital Literacy is the Global Standard and this is in alignment with the UNESCO Framework for Digital Literacy and Nigeria's National Digital Literacy Framework.
- 2.** Enhance the Capabilities of Citizens in Communications Skills for Business, Collaboration, Creativity and Critical Thinking.
- 3.** Invest in Entrepreneurship and Small Business Management in terms of Recognition of Opportunities, starting a Business, Running a Business, Sales and Marketing and Financial Management.
- 4.** Focus on creating Technical Career Pathways for young people in Data Science, Data Analytics, Data Visualization and Engineering, Artificial Intelligence, Product Design and Development, Machine Learning, Internet of Things, Cloud Computing, Quantum, Cybersecurity, Database Management, Computation Thinking, Device Management and Configuration etc.
- 5.** Collaborate with Private Sector Companies like Rise Networks to conduct a baseline to establish the proficiency of young people (workers and learners) in digital literacy.
- 6.** Establish a Center of Excellence for the development of digital literacy and emerging Skills, set up and activate certification platforms to achieve training and certification to build Human capacity and capabilities to global standards.



What can States in Nigeria do to turn Intellectual & Technical Acumen into Capital?

At the core of all these is the deliberate, dedicated and aggressive empowerment of Teachers to instill new knowledge of digital literacy in them to prime the pump of Learning and improve the quality of practical 21st century skills taught to young people as these will equip them and boost their competitiveness within the global job market and digital economy thereby raising revenues and investment in Nigeria.



Challenges, Considerations and Conclusion

Potential Challenges in Implementing AI Strategies in Nigeria:

- Funding Constraints
- Infrastructure Limitations
- Digital Divide

Ethical Considerations of AI Deployment:

- Data Privacy and Security
- Bias and Fairness
- Accountability and Transparency.

Balancing Technological Advancement with Traditional Industries:

- Leveraging AI to enhance, not replace, traditional industries.
- Providing training for workers in traditional sectors to adapt to AI tools.
- Ensuring AI solutions are environmentally sustainable and socially responsible.
- Focusing on AI applications that enhance local industries and community livelihoods.

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The End.

**Thank you
for your attention**

