

**TAX & TECH SUMMIT ORGANIZED BY SOCIETY OF WOMEN
IN TAXATION**



**LEVERAGING EMERGING
TECHNOLOGIES FOR TAX
PRACTICE OPTIMIZATION**

MARCH 2026

CITN-SWIT

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THE DIGITAL ECONOMY

What is the digital economy?

It's the economic activity resulting from **the billions of online connections among:**



It's changing everything.

86%

of respondents say hyperconnectivity benefits their organizations.

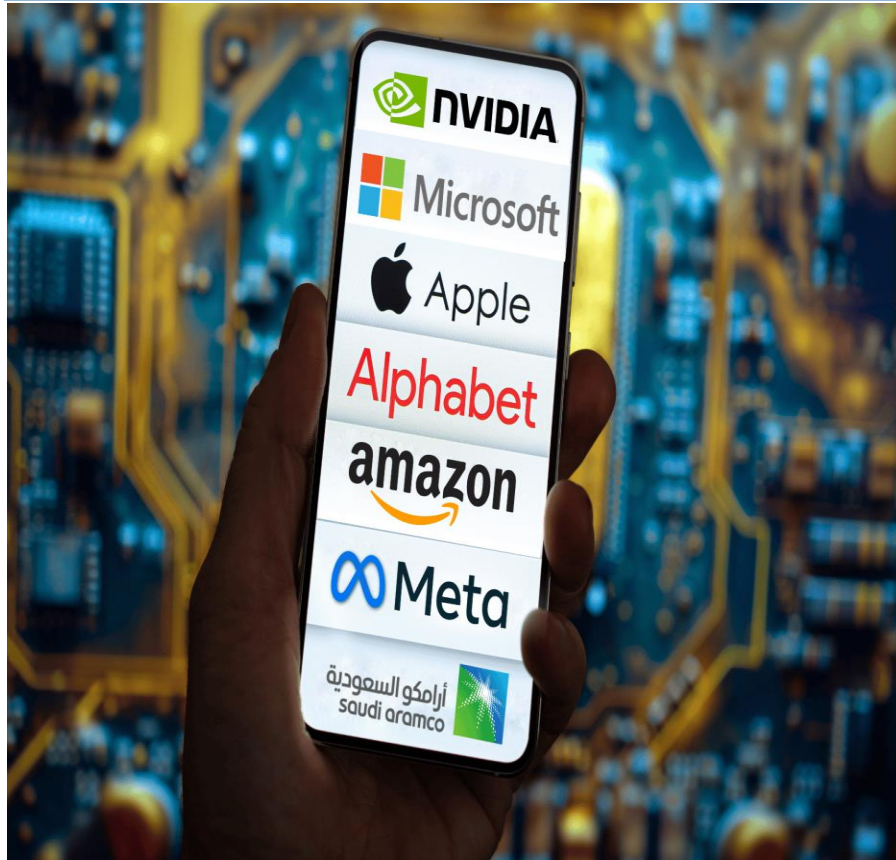
70%

of respondents say hyperconnectivity presents more opportunities than threats.

THE DIGITAL ECONOMY



THE DIGITAL ECONOMY



World's 10 Most Valuable Companies in 2025, Tech Giants Dominate the Trillion-Dollar Race

EMERGING TECHNOLOGIES

Emerging technologies refer to innovative products, services, or **solutions** that are still in the early stages of development and have not yet been fully adopted by the mainstream industry operators.

Most of them are already being deployed by many organizations.

EMERGING TECHNOLOGIES

In 2026, emerging technologies are focused on scaling AI from experimentation to autonomous "physical AI," advancing green energy solutions, and enhancing data security.

These technologies aim to improve productivity, sustainability, and data privacy across industries.

TOP EMERGING TECHNOLOGIES

Blockchain

**Quantum
Computing**

**Artificial
Intelligence (AI)**

**Brain-Computer
Interfaces (BCIs)**

Metaverse

EMERGING TECHNOLOGIES

On Emerging Tech

Here's how many counties are using these new technologies:

68%



Drones

38%



AI/Machine Learning

11%



Augmented/
Virtual Reality

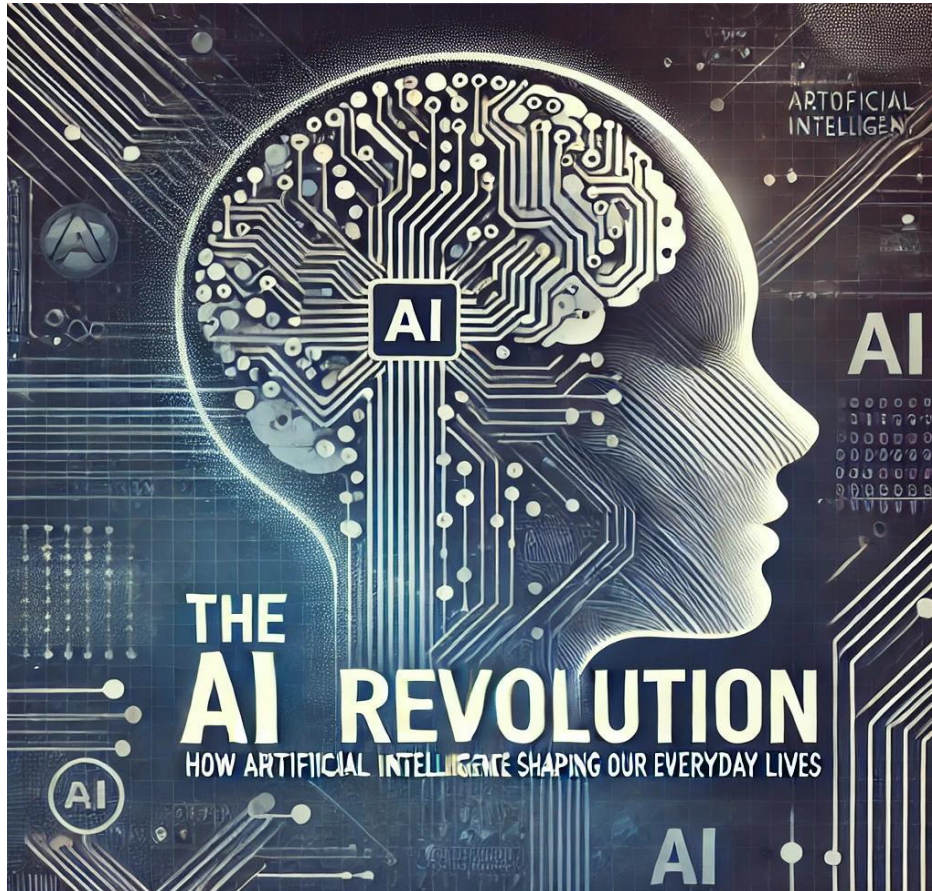
6%



Blockchain

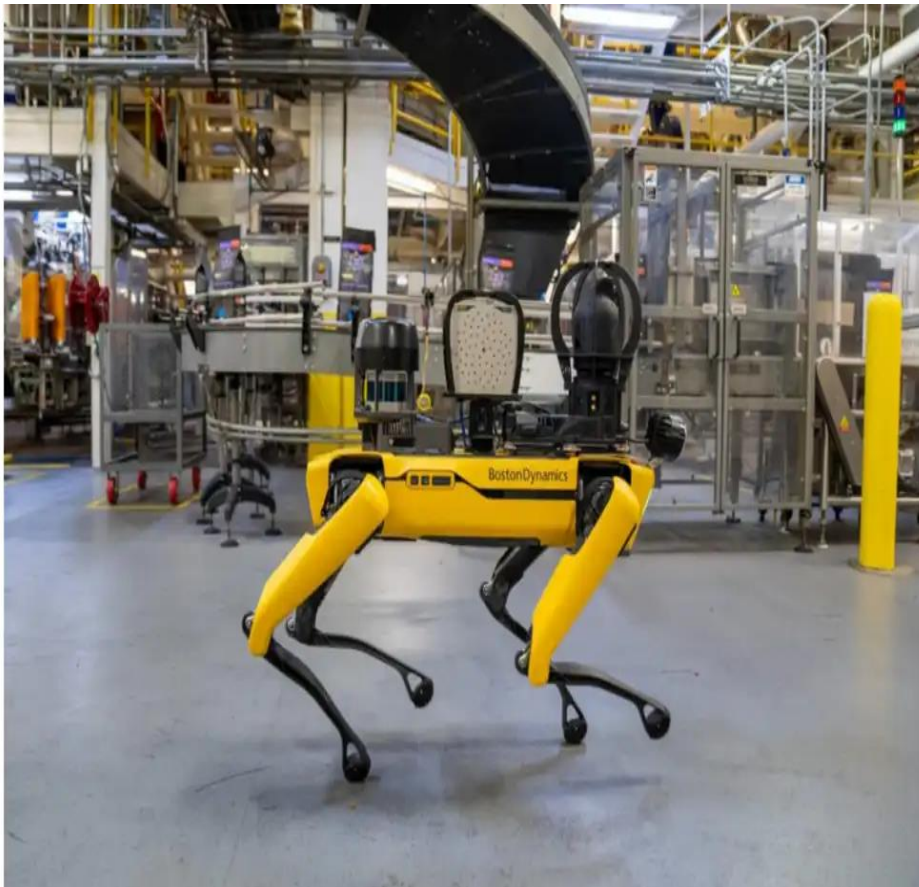
Organizations that treat technology as a lever for broader transformation, will be better positioned to turn momentum into lasting impact.

AI IS HERE WITH US



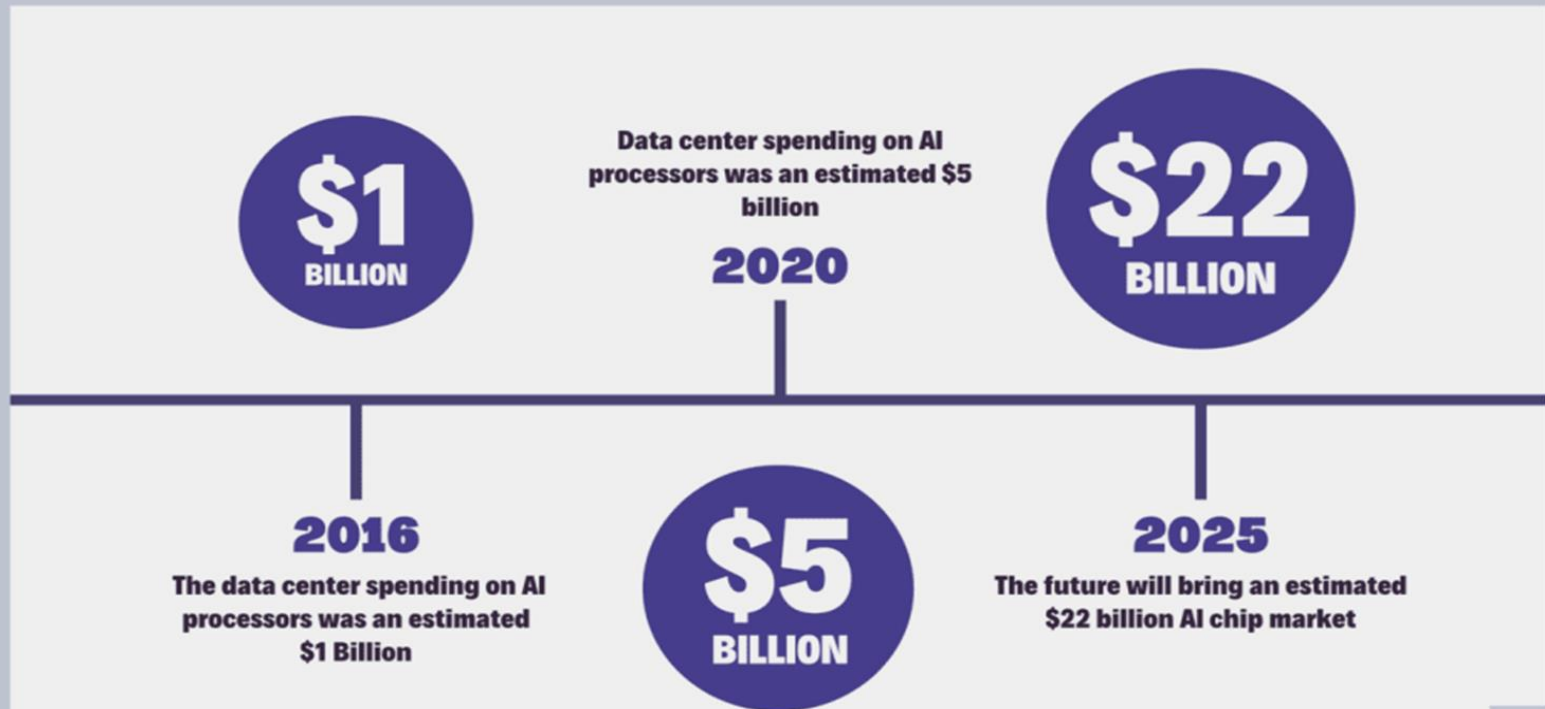
One Technology that defines Today's Economic Activities

PHYSICAL AI & ROBOTICS IS HERE WITH US



AI is moving from digital screens into the physical world, enabling autonomous drones, robots, and advanced logistics.

INVESTMENTS IN AI CONTINUE TO GROW



*Statistics are based on survey's and case studies sourced and displayed at <http://mediapeanut.com>. A portion of these studies derive from those surveyed of the mediapeanut audience.

WHAT DO TAX PROFESSIONALS NEED?

If you are here with us, you are either a tax administrator, practitioner or a key stakeholder

Generate more tax revenue

Reduce cost of operations

Satisfied clients

Work remotely and real time reporting

Efficiency with Little of No Errors

KEY WAYS TECHNOLOGY CAN BE LEVERAGED TO OPTIMIZE TAX PRACTICE

- Adoption of Tax Compliance Software



- Data Analytics and Risk Profiling



- Automation of Routine Tax Processes (RPA)



- Cloud-Based Accounting and Tax Systems



- Digital Documentation and E-Record Management



KEY WAYS TECHNOLOGY CAN BE LEVERAGED TO OPTIMIZE TAX PRACTICE

- Artificial Intelligence in Tax Advisory



- Integration with Government E-Tax Platforms



- Client Collaboration Platforms



- Blockchain for Tax Transparency



- Cybersecurity for Tax Data Protection



SUMMARY

Technology can optimize tax practice through:

- Automation of tax computations
- Data analytics for risk assessment
- Cloud-based collaboration
- Integration with e-tax platforms
- AI-driven tax advisory
- Secure digital documentation

PRACTICAL EXAMPLE

A tax practicing firm could integrate **Power BI + TaxPro Max + cloud accounting software** to:

- Analyze client financial data
- Automatically compute taxes
- File returns electronically with the Nigeria Revenue Service
- Monitor compliance risks in real time.

AI CAN HELP TAX ADMINISTRATORS

SN	REQUIREMENT - DESIRE	WHAT AI CAN DO
1	Improved Taxpayer Services	AI-powered Chatbot can provide 24/7 responses to tax-related queries from taxpayers. This can even be done in multiple languages. It can equally provide personalized guidance to taxpayers on specific tax legislation.
2	Enriched Tax Policy & Research	AI can analyze economic and tax data to identify emerging trends and inform decision-making. AI can model the potential impact of tax policy changes on revenue collection and taxpayer behaviour.

AI CAN HELP TAX ADMINISTRATORS

SN	REQUIREMENT - DESIRE	WHAT AI CAN DO
3	Minimize Tax Evasion & Avoidance	We can use AI to perform detailed analysis of economic and tax data to identify emerging trends and inform decision-making. Taxpayers Risk Profiling can help increase tax-audit yield.
4	Automated Tax Compliance & Audit Functions	We can use AI in tax fraud detection, documents (tax returns) review and predictive compliance monitoring.
5	Automation of Internal Processes	We can automate workflows & use ChatGPT to draft tax notices, audit reports, and policy documents.

AI CAN HELP TAX PRACTITIONERS

SN	REQUIREMENT - DESIRE	WHAT AI CAN DO
1	Improved Client Support & Communication	We can use AI-powered Chatbots to provide instant responses to clients even in multiple languages. We can equally provide personalized tax advisory services
2	Automation of Monotonous Tasks	<ul style="list-style-type: none">• Preparation of draft tax returns• Read through & summarize Tax documents• Send email messages
3	Improved Tax Planning for clients	ChatGPT can assist in estimating tax liabilities, deductions, and credits for clients based on their financial situation. AI can be used to simulate different tax scenarios.

AI CAN HELP TAX PRACTITIONERS

SN	REQUIREMENT - DESIRE	WHAT AI CAN DO
4	Better Preparation for Tax Audits	A tax consultant can use AI to analyse client records and flag potential audit risks, ensuring compliance before filing.
5	Improved Market Research & Business Growth	<ul style="list-style-type: none">• AI can generate blog posts, newsletters, and social media content to attract and educate clients.• AI can help identify high-value clients and personalize tax strategies based on their profiles.
6	Improved Productivity and Efficiency	AI can scan invoices, receipts, and financial statements, extracting relevant tax information automatically.

CASE STUDY 1 – USE OF DATA ANALYTICS IN RISK-BASED TAX AUDIT

Issue: Tax authorities traditionally relied on **random audit selection**, which resulted in inefficient use of audit resources. Many taxpayers got away with inconsistent data submitted to MDAs or same tax authority. There were many instances where taxpayers reported higher turnover in VAT returns but low turnover or profit in CIT returns.

Way Out through Digital Solution: The tax authority that adopts data analytics in its Risk Profiling would easily flag such company. The Data Analytic solution could analyze the following within few seconds:

- Corporate tax returns, VAT submissions, Withholding tax records
- Banking transaction data

CASE STUDY 1 – USE OF DATA ANALYTICS IN RISK-BASED TAX AUDIT

Results

- Faster identification of tax discrepancies
- Improved audit efficiency
- Higher recovery of unpaid taxes
- Studies show automation and analytics significantly improve **tax compliance and revenue generation.**

Practice Optimization Lessons

- Tax firms can perform **pre-audit analytics for clients.**
- Early detection of compliance risks reduces penalties.

CASE STUDY 2 – AUTOMATION OF VAT COMPLIANCE

Issue: Many Nigerian businesses historically maintained **manual VAT records**, leading to:

- ❑ Calculation errors
- ❑ Under-remittance
- ❑ Difficulty during tax audits

Way out through Digital Solution and VAT Fiscalization

- ❑ Businesses adopted **ERP systems and automated VAT tools** integrated with accounting software.
- ❑ Automated invoice generation
- ❑ Real-time VAT calculation
- ❑ Digital tax reporting

CASE STUDY 2 – AUTOMATION OF VAT COMPLIANCE

Results

- Improved VAT reporting accuracy
- Faster preparation of monthly VAT returns
- Reduced tax audit disputes
- Automation of VAT processes significantly improves revenue tracking and compliance efficiency.

Practice Optimization Lessons

- Tax practitioners can integrate **VAT automation tools with client accounting systems and NRS VAT Fiscalization.**
- Digital invoice systems improve VAT audit trails.

CASE STUDY 3 – DIGITAL TAX PRACTICE IN ACCOUNTING FIRMS

Scenario – An Abuja-based tax consulting firm adopted a **fully digital tax workflow**.

Technology Used

- Cloud accounting software
- Data analytics tools (Power BI)
- Digital document management systems

Process

- Client uploads financial data through secure portal
- Automated tax computation software generates tax schedules
- Tax returns filed electronically via the Tax portal
- Data analytics used to identify compliance risks

CASE STUDY 3 – DIGITAL TAX PRACTICE IN ACCOUNTING FIRMS

Results

- Tax preparation time reduced by **over 40%**
- Improved client service turnaround
- Better compliance monitoring

Practice Optimization Lessons

- Digital workflow improves efficiency in tax advisory services.
- Cloud collaboration reduces dependency on physical documents.

CONCLUSION

Digital technologies are transforming tax practice in Nigeria by:

- Automating tax compliance processes
- Enhancing transparency and accountability
- Improving revenue generation
- Enabling data-driven tax administration

ALWAYS REMEMBER

You can't win AI when it comes to these
'battles':

1. Accuracy
2. Efficiency and
3. Productivity.



THANK YOU

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