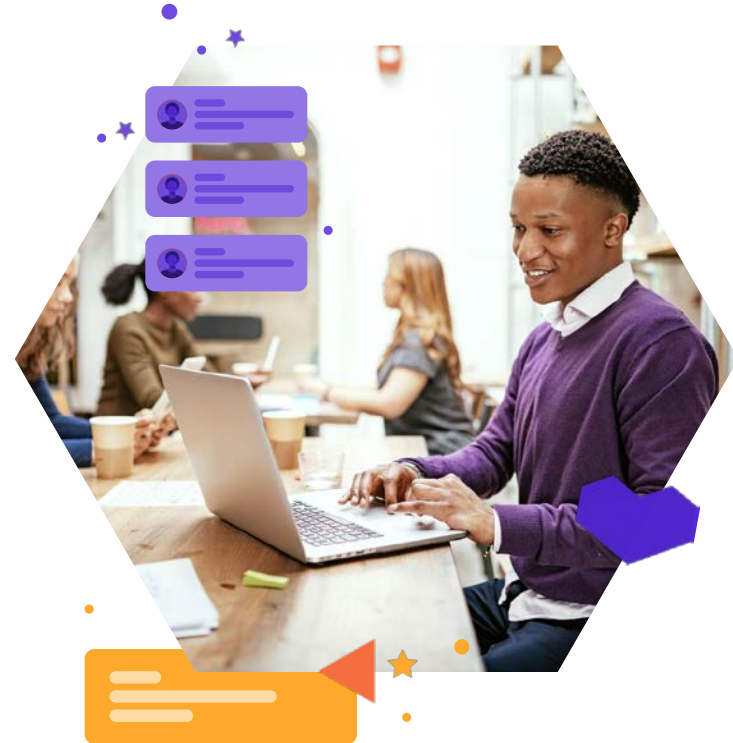


Reducing the Digital Divide: Enabling Equitable tech for all

How Zindi is bridging the digital divide and
enabling equity through collaborations

Presented by: Rose Delilah Gesicho

Data Community Manager, Zindi and Community Chair Deep
Learning Indaba



THE AFRICAN CONTEXT OF THE DIGITAL DIVIDE

It is evident that **the continent lags behind global trends in AI readiness**



Large-scale investments are required to plug these gaps

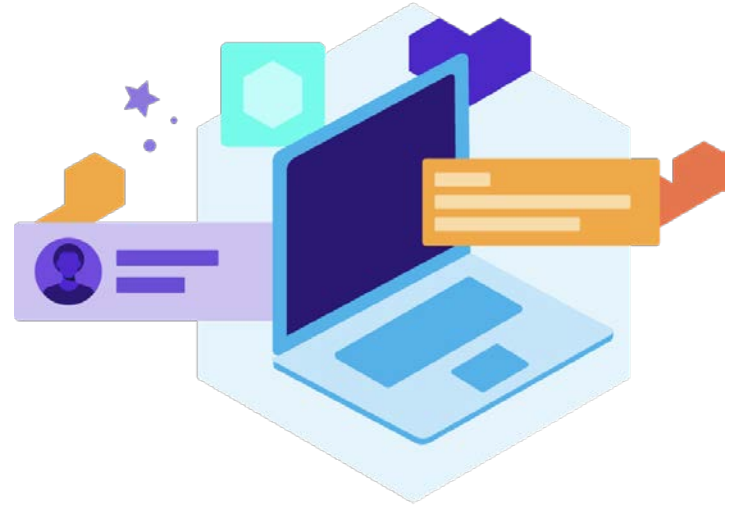
The comprehensive investment needed for Africa to leverage AI effectively involves substantial funding for data collection, curation and storage, including robust data governance and security. Investments in high-performance computing resources and scalable cloud computing are crucial to seeing this data be used effectively. Investments in skilling cannot be disregarded, but should be viewed through the lens of employability and demand generation.

Estimated levels of investment required across pillars of the AI ecosystem (\$, billions)



WHY EQUITY MATTERS

- Promoting Culturally Relevant Solutions
- Inspiring Global Collaboration
- Tackling Bias in Global Health Tech
- Combating Health Disparities



Inclusion is not just an ethical obligation but essential for creating effective, accurate and impactful tech solutions

CHALLENGES EXPERIENCED

- › Lack of access and expensive internet and infrastructure
- › Lack of available data, access to data and quality data
- › Skill availability but lack of job opportunities in the data field
- › Exclusion from Global AI Ecosystems: Funding, conferences
- › Lack of proper formulated ethical AI policies and regulations
- › Lack of cultural integration and community involvement
- › Limited collaboration between various sectors







Building AI Together through enabling equitable tech for all

Zindi is a professional network for data science whose mission is to mobilise a vibrant community of data scientists across Africa, solving the region's most pressing problems.

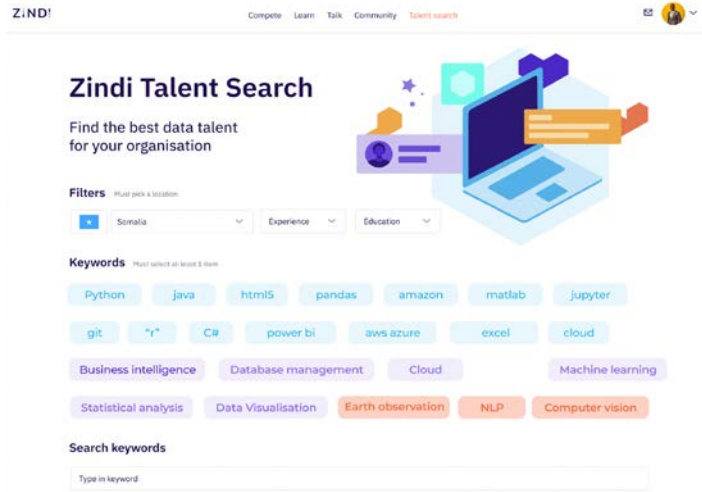


DATASETS ACCESSIBILITY



 <p>1327</p>	Digital Green Crop Yield Estimate Challenge Helping India Challenge completed ~1 year ago	€9 400 EUR Join
 <p>416</p>	Intron AfriSpeech-200 Automatic Speech Recognition Challenge Challenge completed over 1 year ago	\$5 000 USD Join
 <p>1289</p>	Lacuna Malaria Detection Challenge Helping Uganda Challenge completed 2 months ago	\$5 000 USD Join
 <p>393</p>	Malawi Public Health Systems LLM Challenge Helping Malawi Challenge completed 11 months ago	\$2 000 USD Join

TALENT AND LOCALIZED SOLUTIONS



70,000+ talented data practitioners in 52 African countries (& 190 countries in total)

ESTABLISH COLLABORATIONS



ENHANCE DIGITAL LITERACY



Training for Data Engineers

Become a Microsoft Certified: Azure Data Engineer with Zindi. A data engineer sources, centralises and structures data from various sources to support analytics and business requirements.

Data Engineering Data Lakes Data Warehousing

Certificate + 500 points

[Continue learning](#)



Training for Data Analysts

Become a Microsoft Certified: Power BI Data Analyst with Zindi. A data analyst enables businesses to maximise the value of their data assets through visualisation and reporting tools.

Data Analysis Reporting Visualisation

Certificate + 500 points

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Training for Data Scientists

Become a Microsoft Certified: Azure Data Scientist with Zindi. A data scientist is an expert in data who helps collect, analyse, and interpret large amounts of data in order to solve complex business problems.

Data Science Machine Learning Model Optimisation

Working in a Digital World: Professional Skills

IBM SkillsBuild

Communication Soft Skills

Certificate + 500 points

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Job Application Essentials

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Job Readiness

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[Sign up to course](#)

Artificial Intelligence Fundamentals

IBM SkillsBuild

Does AI spark your interest? Visualise yourself in an AI career!

AI Ethics	Artificial Intelligence	Computer Vision	Deep Learning	Machine Learning
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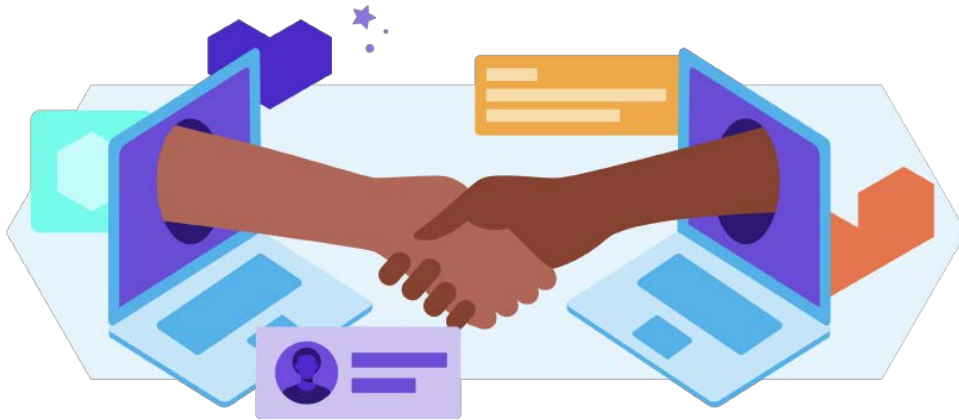
Certificate + 500 points

WHAT NEXT?

- › Global Collaboration and Exposure
- › Invest in data infrastructure for development of AI
- › Enable Data Access for All
- › Promote Community-centric Development and Programs

CALL TO ACTION

Let's join hands and bridge the gap between technology and equity, ensuring that every individual—regardless of their socio-economic status, location, or background—has access to the transformative benefits of health innovations.



CONNECT WITH ME



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www.zindi.africa