CAREER

SKILLS INTELLIGENCE SYSTEM

An AI-powered platform that helps every Kenyan learner find their future-proof career path

The Problem We're Solving

Millions of learners enter the workforce without the right guidance.

No Career Clarity

Graduates choose careers with no real link to their skills or what employers actually need.

AI Is Reshaping Every Job

Many roles are being automated. Learners need to know which careers will still exist in 10 years.

Global Tools Ignore Kenya

International career platforms don't understand CBC, KCSE, or local employer demand.

Skills Gaps Stay Hidden

Learners don't know what they're missing — or what to study next to become job-ready.

Without guidance, learners and the Kenyan economy both lose out

Our Solution: A 4-Stage AI Pipeline

One input from the user. Four powerful, personalised outputs.

1

Career Match

Finds your 5 best-fit careers from 894 options

>

2

Risk Score

Rates each career's safety from automation (0–100)

>

3

Skills Gap

Pinpoints exactly what you need to learn

>

4

Learn Path

Gives you a step-by-step course plan to get there

Input: skills + education + career goal → **Output: personalised career roadmap in seconds**

Who Is This For?

CBC Students
Match your school track to a real career path

8-4-4 Graduates
Bridge the legacy curriculum to today's job market

TVET / Diploma
Find skilled occupations that match your technical training

University Grads
Discover the best direction for your bachelor's degree

Postgraduates
Advanced career pivots and deeper specialisation paths

Professionals
Mid-career transitions and targeted upskilling plans

Whether you are a Form 4 leaver in Kisumu or a software engineer in Nairobi looking to pivot, the system meets you exactly where you are.

Any Kenyan. Any background. Any goal.

How It Works

Five steps from 'I don't know what to do' to 'Here is my career roadmap.'

1

Tell Us About Yourself

Share your skills, education level, and career dream in plain language — even in Swahili.

2

We Find Your Best Careers

The AI searches 894 occupations and ranks the top 5 matches for your exact profile.

3

See Which Careers Are Future-Proof

Each career gets an automation risk score and a Future-Proof Score out of 100.

4

Discover Your Skills Gaps

Learn exactly what you're missing and which existing skills are already a strength.

5

Get Your Personalised Learning Roadmap

Receive a structured course plan (Foundation → Advanced) from Coursera, edX and Udemy.

The entire analysis runs in seconds — powered by AI in the background

Which Careers Are Safe From AI?

Our AI Risk Score rates every career on how likely its tasks are to be automated.

96%

LOW RISK
Human skills dominate. Safe career choice today and tomorrow.

3%

MEDIUM RISK
Some tasks automatable. Upskilling will keep you competitive.

1%

HIGH RISK
Significant automation exposure. A career pivot is advised.

< 1%

VERY HIGH RISK
Near-full automation likely in coming years.

Future-Proof Score (0–100) = 40% Job Demand + 40% Low Automation Risk + 20% Salary Signal

Designed Specifically for Kenya

22 CBC Pathway Mappings
Every CBC track — Pure Science, Agriculture, Arts & Sports — mapped directly to matching careers.

28 KCSE Subject Mappings
Legacy curriculum subjects linked to internationally recognised O*NET skill dimensions.

Swahili-Aware AI
The system understands skills described in Swahili or Kenyan English, not just formal terms.

Local Demand Signals
119,000+ job postings analysed to reflect what Kenyan and African employers are hiring for.

Why It Matters

~800K — Form 4 graduates annually

~60% — Youth unemployment rate

0 — prior tools with CBC context

894 — careers now accessible to all

What You Actually Receive

A sample career card — one of five personalised recommendations the system produces.

Data Scientist

Technology | **High Demand** | **Low Risk**

Future-Proof Score	Skill Match	Education Zone
74 / 100	**81%**	**Zone 4**

Skills Assessment:

Critical Thinking	Active Learning	Systems Analysis
Strong	Strong	Moderate Gap

Programming	Mathematics	Data Visualisation
Critical Gap	Critical Gap	Moderate Gap

8,050 Courses. Three World-Class Platforms.

Every recommended course is matched directly to your specific skill gaps, not just your career title.

Coursera

3,404

courses

42% of catalogue

University-level quality. Peer-reviewed. Free to audit many courses.

Udemy

3,672

courses

46% of catalogue

Practical, job-ready courses. Wide coverage and affordable pricing.

edX

974

courses

12% of catalogue

Content from MIT, Harvard and Stanford. Rigorous academic foundations.

Learning stages: Foundation (5,555) → Intermediate (2,205) → Advanced (290)

What's Next

The foundation is built. Here is where the system grows.

Phase 1 — Validate

→ Run a user study with 100+ Kenyan learners across all 6 user types

→ Collect ratings on career recommendation quality to measure accuracy

Phase 2 — Expand Data

→ Add BrighterMonday and MyJobMag for local Kenyan job demand signals

→ Replace static LinkedIn data with live job postings API feeds

Phase 3 — Deploy

→ Package the system as a web API ready for integration into apps

→ Build a Swahili-first mobile interface for CBC students

Phase 4 — Improve

→ Calibrate AI risk scores against published automation research

→ Add course duration data so users can plan their learning time

Scalable to any developing economy