S4YE Spark Session #7:

Finding the right match: Using technology to link youth with jobs

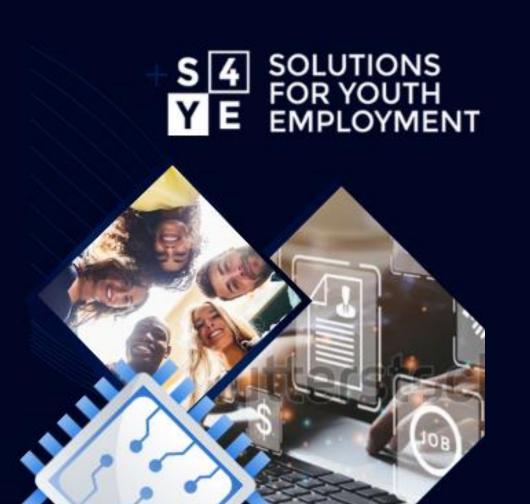
2023 INNOVATION EXCHANGE & PARTNER SUMMIT

From Algorithms to Opportunities: Harnessing Innovation for Youth Employment

November 7-8, 2023











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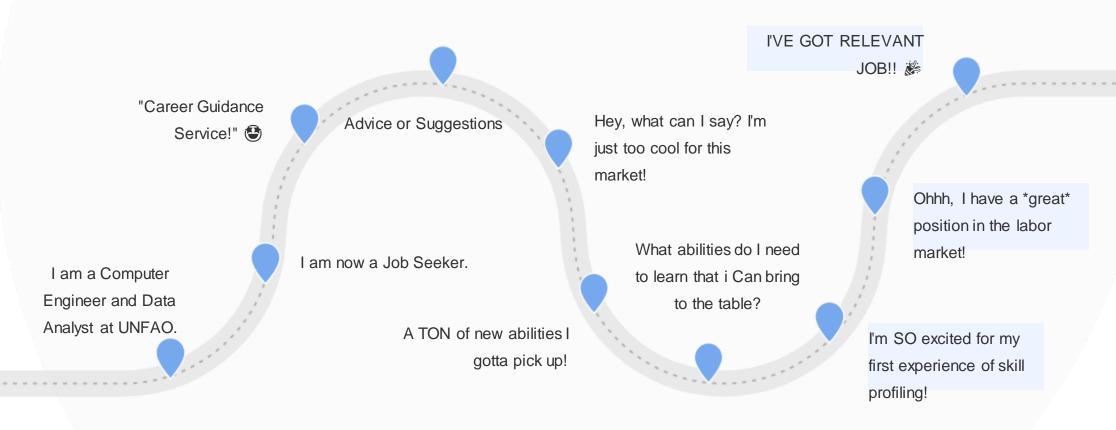
Al-enabled job-matching for refugees

Azza ElHayek

Co-Founder & Partner, Skilllab



Exploring a Migrant's Journey in the Host Country's Labor Market



What's the PROBLEM here??

Analysis of the Situation:

Insufficient Labour Market Information

I lacked sufficient information about the labour market, including the in-demand skills and emerging job opportunities.

Limited Self-Awareness

I wasn't aware of my full range of skills and competencies, which limited my options and prevented me from exploring new career paths.

Job Title Fixation

I was fixated on job titles and didn't consider the full scope of jobs that aligned with my skills and interests.

Inadequate Counselor Knowledge

The career counselor lacked information about my work experience, skills and interests, which led to a mismatch between my capabilities and the job requirements.

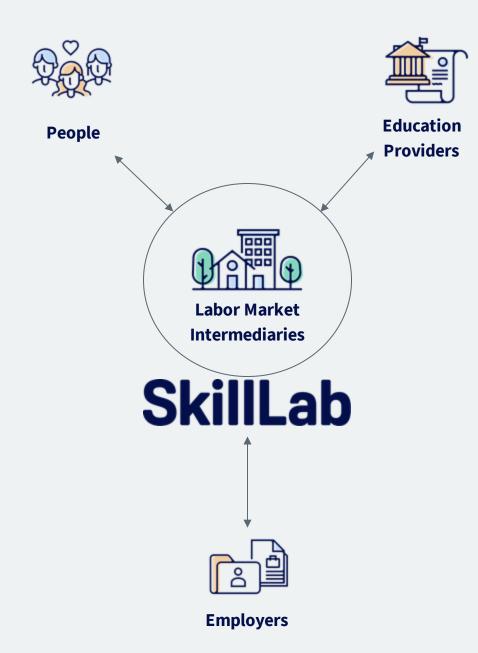
Outdated Labour Market Info

The career counselor didn't have enough up-to-date information about the skills and competencies that are in high demand in the labour market.



Connected LABOR MARKETS







EDUCATION and **JOBS** through a common language of



Relying on titles and free-text is inaccurate and incomplete

Determining the skills people have used in their experiences or the skills employers demand is difficult. Job vacancies and resumes are not detailed enough and may not be the most reliable source of skill data.

Job-Title Approach

Farmer

Reference number:

⊕ Language / Application in: Deutsch

○ Working hours: Full-time work

♀ Workplace:

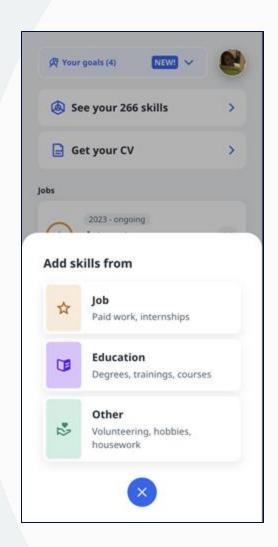
↑ Company size: Less than 6

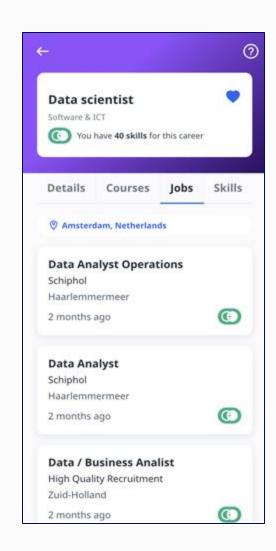
Type of employment contract: Open-ended

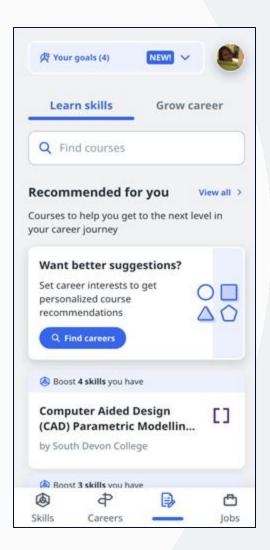
m Online since: Nov 23, 2022

Our farm has 480 cows with 7 milking robots, 200 hectares of forage production, a biogas plant and direct marketing. Your task will mainly be driving the tractor and repairing and maintaining the machines.

Gap Identification, Training.. to Employement







EMPOWER PEOPLE TO UNLOCK THEIR POTENTIAL

Using those reports that are generated (by the app), they (career counselors) were able to guide better and communicate better with the employers. It created a common language where job seeker-employer-recruiter can speak. Eliminated human judgment, cultural and language barriers

Ahmad Ibrahim- Egypt Project Manager -ABA-VTEC



Nour - Egypt
"The application helped me to look into occupations that I hadn't considered before."



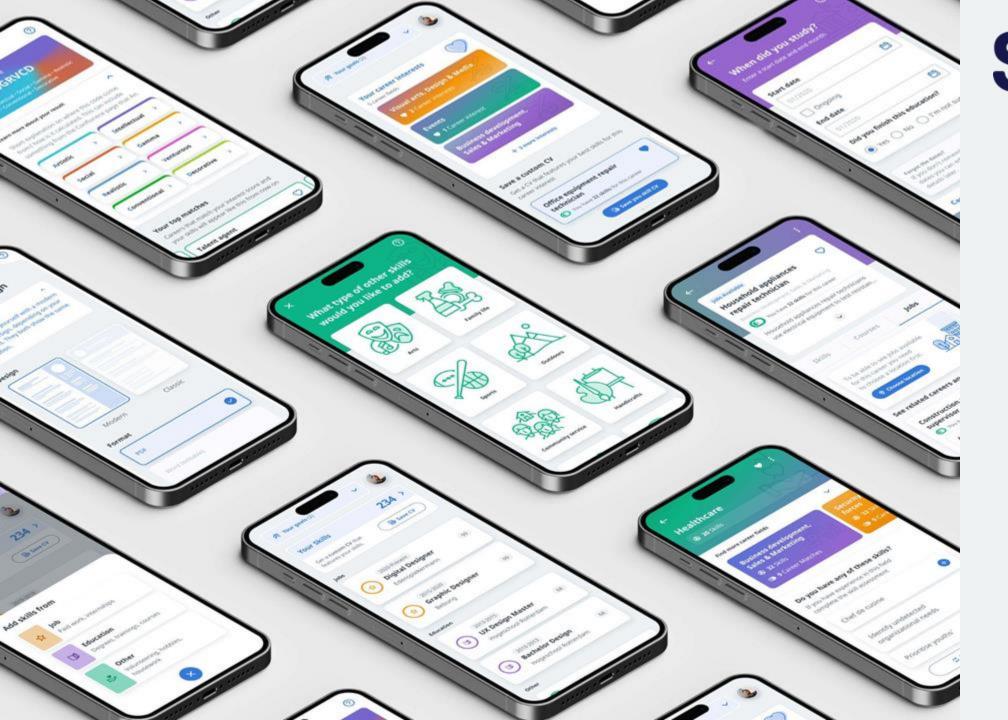
Danielis - Ecuador"The application increased my confidence in my skills."



Safaa - Syria / Finland "This application gave me hope that it is possible to work in the job that I want."



Bilal - Palestine
"I found it easier to express my
skills using the app than a
traditional interview."



SkillLab





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Connecting the Dots: Using a Zero-Rated platform to connect Youth and Employers

Victoria Duncan

Head, Research & Evidence, Harambee



The SA Youth Platform



SA Youth is the connective technology platform that allows young people to access learning and earning opportunities—for free—and assists employers to reach millions of young entry-level work-seekers nationally.

sayouth.mobi partners.sayouth.org.za



3,706,131

Young work-seekers supported by SA Youth





1% youth with a disability



OUR IMPACT



1,000,689

youth linked to opportunities



R22,3 bn+

in income earned by youth since inception

The DBE School Assistant Programme

Geospatial matching at work

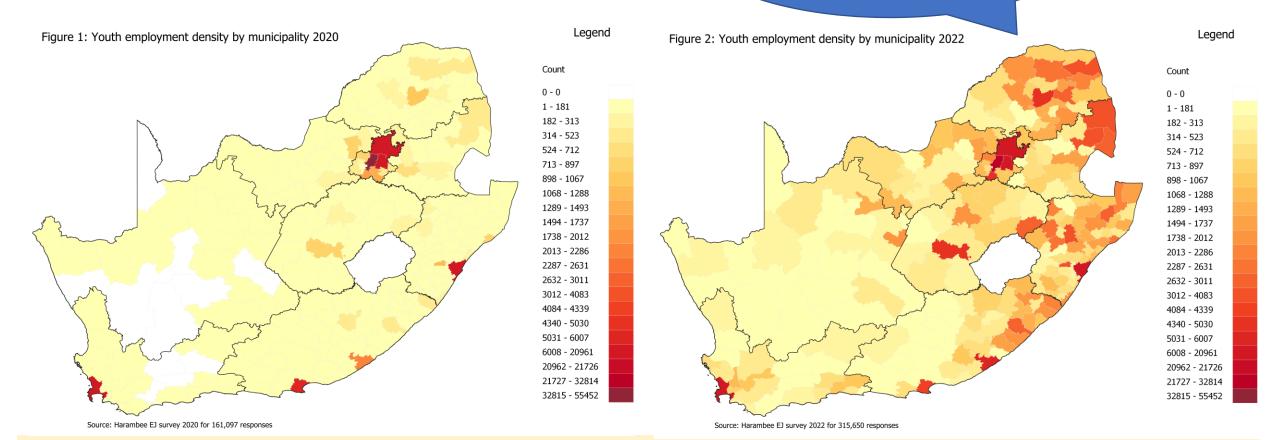


Estimated saving of

> ZAR 1 billion

in transport costs across all

4 phases



The map on the left illustrates the distribution of employment opportunities for youth before the programme; the map on the right shows the difference the DBE School Assistant Programme makes, and the geographical spread of opportunities.



Example: Overcoming Gender Barriers

Women face higher systemic barriers to labour market entry, which is can be exacerbated through AI technology.

The SA Youth ranking algorithm seeks to address this by adjusting the weight distribution in the ranking.

In practice:









Reflections on our experience

Approach the outcomes of big data analyses with caution - well aware that the market biases we are aiming to counter, are also inherit in parts of our own data and we deliberately compensate for inclusivity, like in the gender example above.

Where we have found huge value is the **utilization of technology and tools to translate dirty data into something that makes sense**. Examples of this includes:

- Using machine learning techniques to segment data for ring-fenced analyses and studies
- Using smart technology to assess voice notes for communication and literacy
- Leveraging AI to structure and understand free text inputs

All Emerging technologies are **critical for supporting additional developments** to the SA Youth platform and informing the recommendation engine algorithm, in addition to supporting our research and advocacy work

We hire for data science skills internally, but have struggled to keep the right talent; hence we deliberately partner to get access to these technologies and experts





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Connecting to opportunities at a hyperlocal level in India

Nihal Rustgi

Director of Marketing, Apna.co



Apna is the fastest growing and largest jobs & professional social network for India

Digital Identity | Professional Networking | Community | Jobs



Economically disadvantaged family

BIRTH

Born with economic advantages

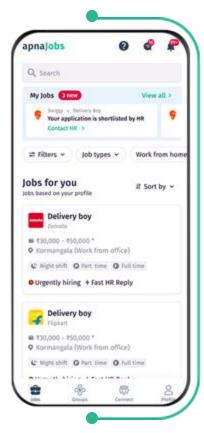


SMART PHONE

INTERNET



Jobs



Digital Identity



Community

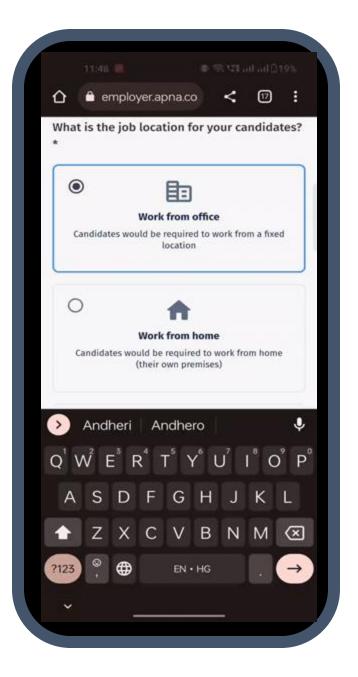


We have built our product around 3 values that changed hiring meaningfully



Hyperlocal

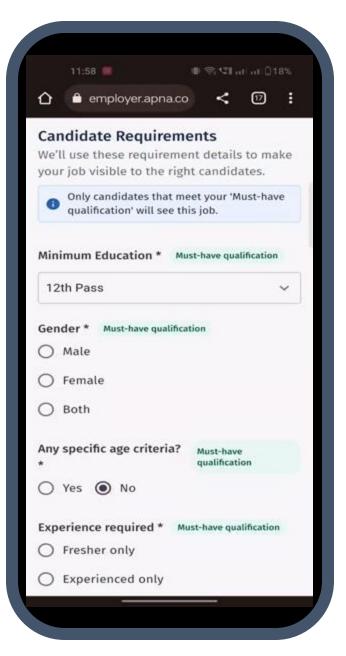
Enabling pincode based hiring





Relevancy

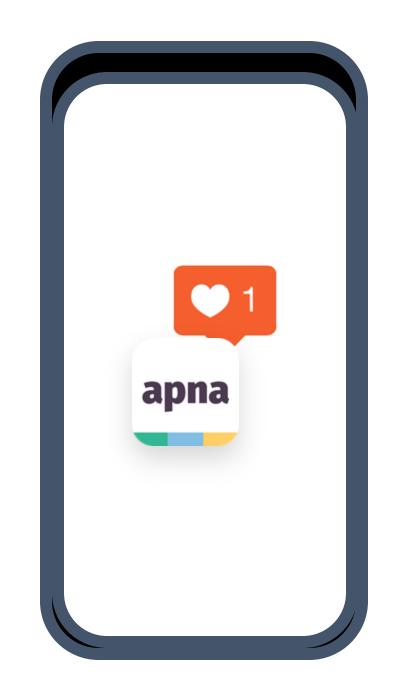
Al-matching delivers highly relevant candidate





Speed & Volume

121 unique candidates connect with employers every minute



Apna is the largest and fastest growing professional opportunities platform in India







~51Mn+

registered job seekers with detailed profiles



~5Mn

candidates connected to recruiters every month



545k+

registered recruiters on the platform



~100k

jobs activated on the platform every month



174

Metros & Tier-2/3 Cities



70

industries & job categories

