



CareerNav.

Overwhelming Career Transitions
turned into Confident Steps



What is the problem?



Priyamvada Radhakrishna

Chemical Engineering → **Data Science**

Your information

Past Courses You've Taken

1. Chemical Process Optimization
2. Process Simulation and Modeling
3. Data Analytics in Chemical Reaction Engineering
4. Machine Learning for Process Control and Instrumentation

Experiences

Business Analyst Deloitte 4 years

Projects

Customer Segmentation Analysis for Retail Client
Supply Chain Optimization for Manufacturing Client

Tools

• SQL • Microsoft Excel • Tableau • Python



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83%

of ISchool students resonate with Priyamavada, leveraging Berkeley to undergo a career transition.

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of **them** a crowd having an access to the best career resources & network of mentors found the process to be somewhat to extremely challenging.

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Leveraging one's existing skill sets in the transition



Figuring out the hard skills needed to transition



Finding the corresponding best resources to upskill



Connecting with folks who did similar transitions



Staying motivated in this journey



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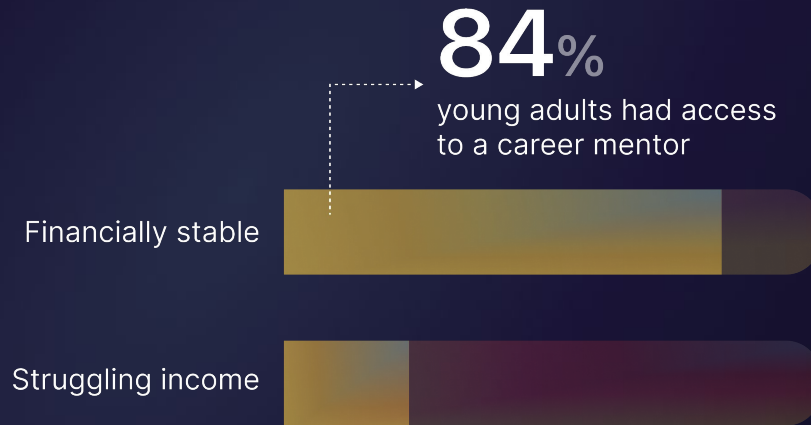


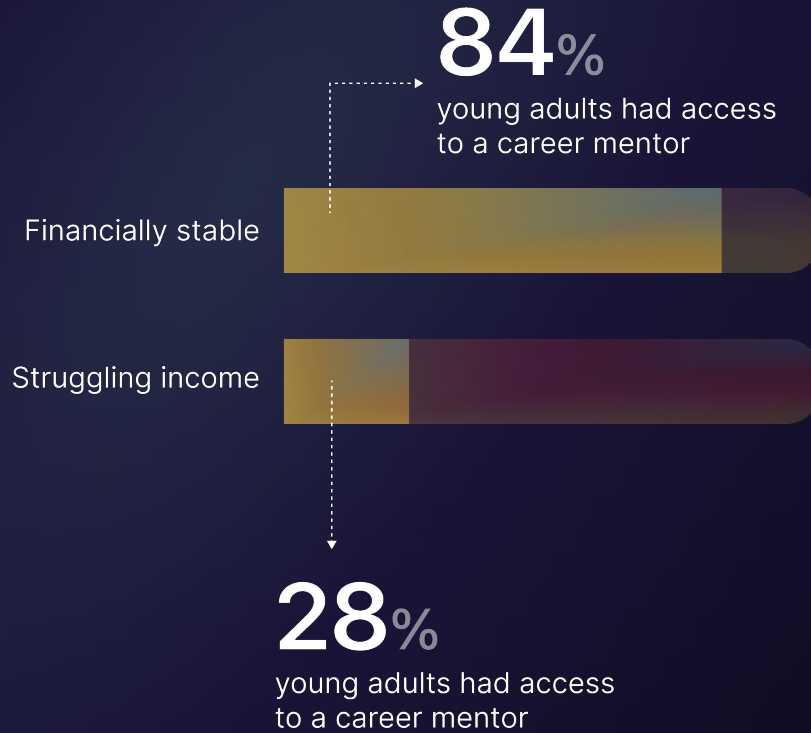
Staying motivated in this journey

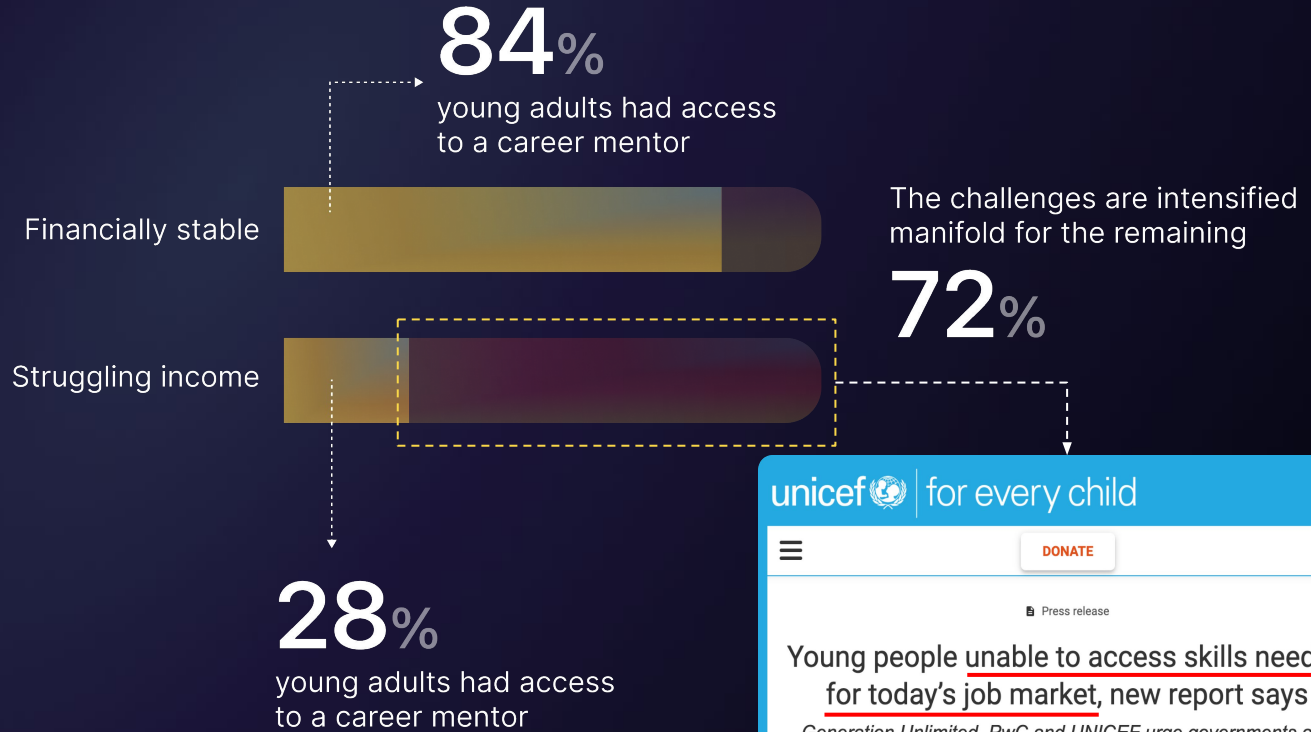


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Why is it
an important problem
to solve?







unicef | for every child

DONATE

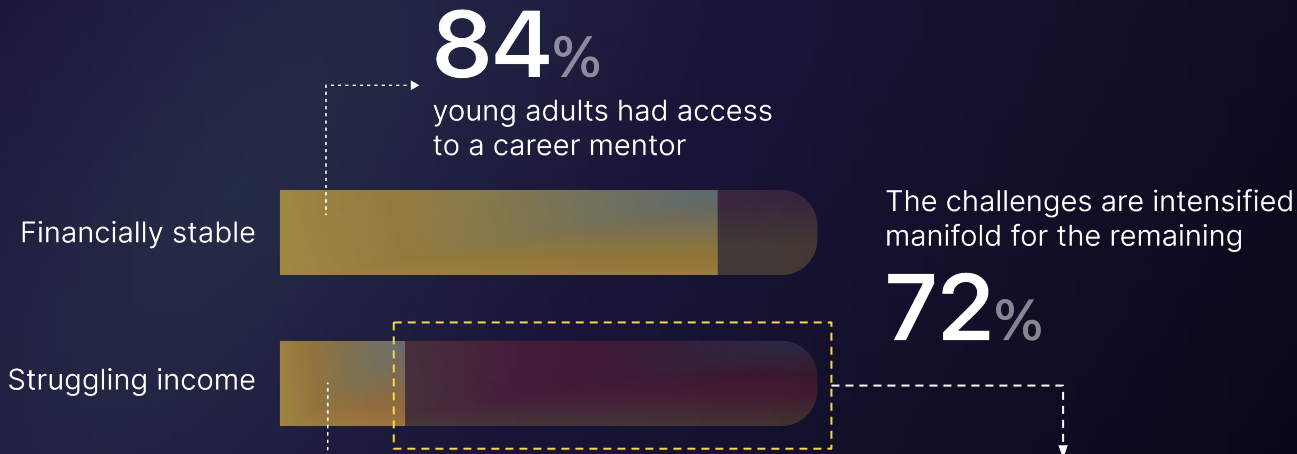
Press release

Young people unable to access skills needed for today's job market, new report says

Generation Unlimited, PwC and UNICEF urge governments and businesses to address global skills gap and decrease youth unemployment

10 December 2021

This impedes economic mobility, rendering it a distant aspiration.



The challenges are intensified manifold for the remaining



How did we solve this?



A one-stop human-in-the-loop AI platform, leveling the career field to enable equitable access to career opportunities.

1. Transferable skills identified from your past experiences

2. Personalized learning recommendations to cover your skill gaps

3. Incremental progress to keep you motivated & on track



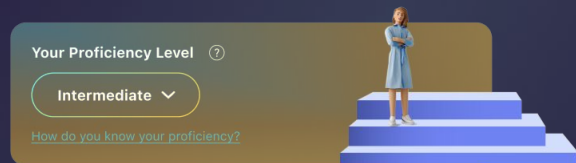
Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all



Our Design Principles

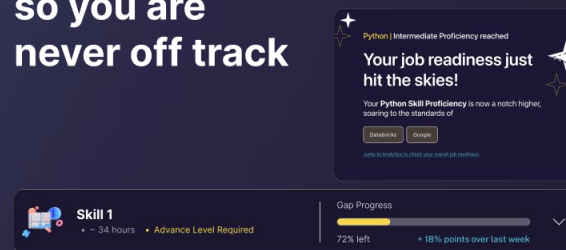
Transparency

Helping users become more aware how the system works



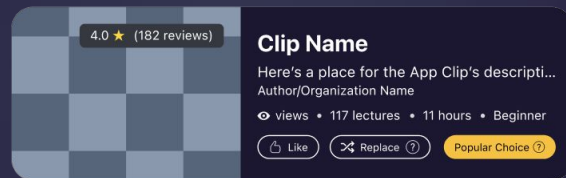
Accountability & Motivation

so you are never off track



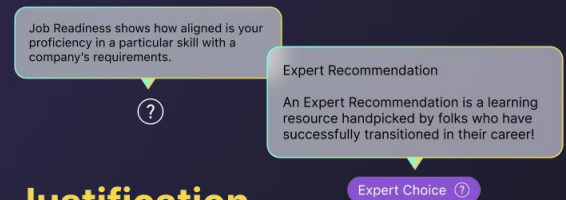
Scrutability

Offering ways to provide feedback



Justification

Explaining why was something recommended to you



Product Demo

Let us help you figure out your next career path.

Career transitions can feel overwhelming and we are here to help you! Our AI tool leverages the **expertise of domain experts and insights from industry trends**. With CareerNav, your ideal career awaits.

Upload your resume

Browse File

?

[Proceed without uploading your resume.](#)

Terms and conditions: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod.



Product Evaluation Results

5/5

Preference score over
existing solutions

4/5

Platform ease
of use score

“

I've seen AI recommendations before, but CareerNav has been well thought out. **It's like having a conversation with a knowledgeable college senior**—every suggestion is crystal clear.

-- Soumya

“

Tracking my progress keeps me accountable and pumped up for the next level. I really like this feature!

-- Sarah

“

AI recommendations which I can **understand**.

-- Casie

The Tech behind  CareerNav.

Data Collection for Skill Gap Analysis

151

Job Descriptions scraped



86

Companies



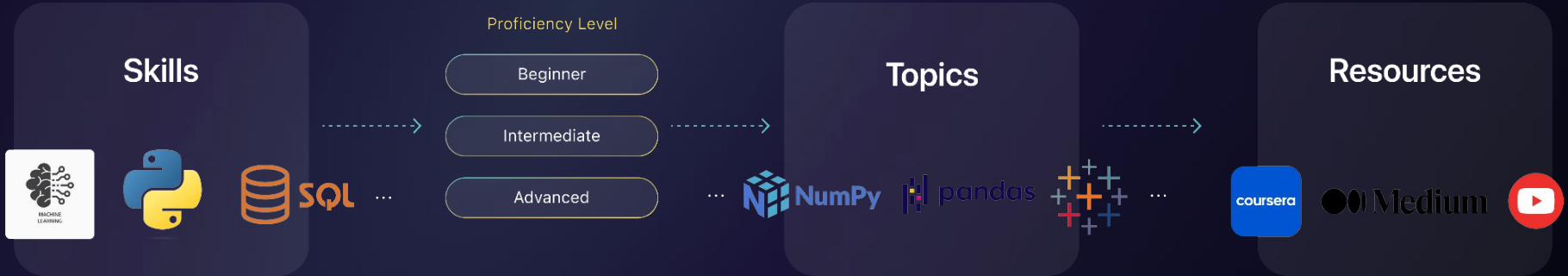
...and many more

9

Data Science specific roles

(Entry or Associate level roles)

Data Collection for
Knowledge Bank: Learning Path
Recommendations

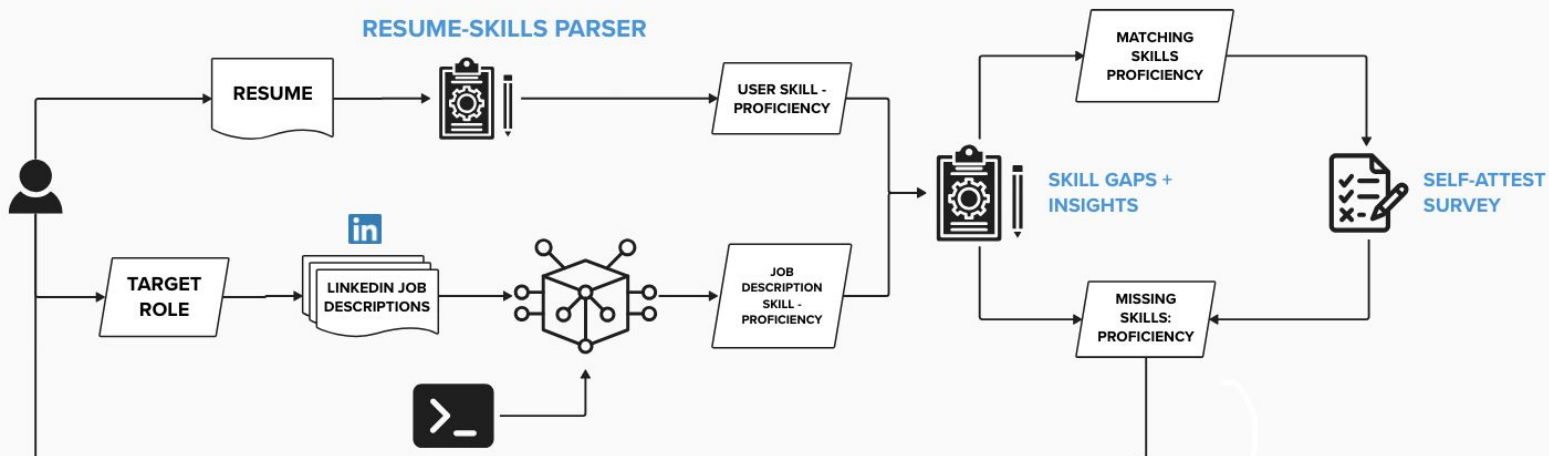


Sourced from industry professionals who have themselves transitioned into Data Science

Tech Flow

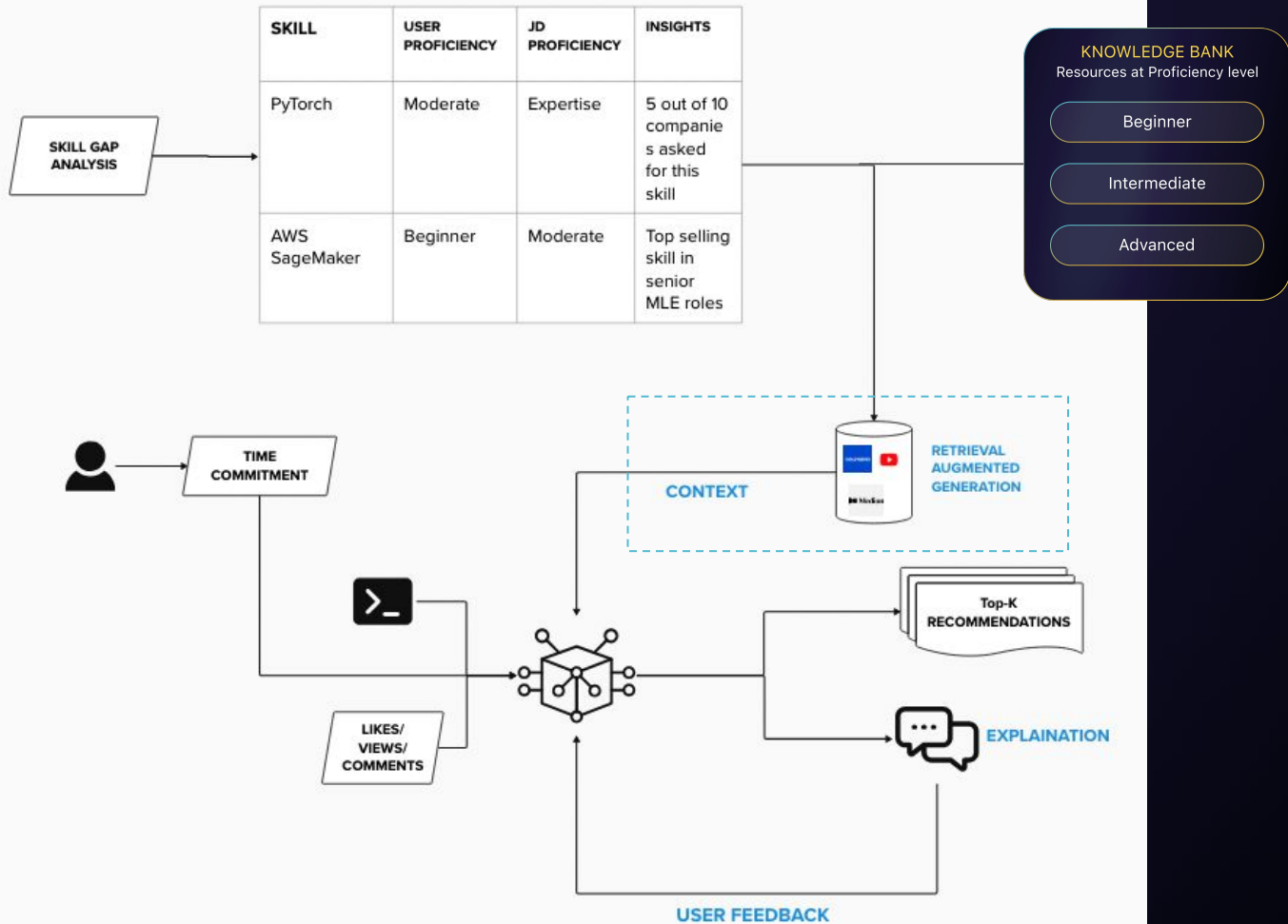
Skill Gap Analysis

RESUME-SKILLS PARSER



Tech Flow

Learning Roadmap Recommendations &
Explainability



Tech Evaluation Metrics

Accuracy



Skill extraction from CV	0.92	0.88	0.88
Skills-Proficiency extraction from LinkedIn Job Descriptions	0.801	0.731	0.871

Predictive quality metrics	
Precision	0.77
Ranking quality metrics	
Mean Reciprocal Rank	0.64
Mean Average Precision	0.72

Future Roadmap



Suggesting possible
career paths



Catering to transitions
beyond Data Science



Fostering a network of
study-buddies



Diversifying JDs beyond
LinkedIn



CareerNav.

A step towards equitable
access to career opportunities.

THANK YOU