

AI Job Hunter

Optimize Your Resume & Cover Letter Using Generative AI

Numbers speak **72%**

Job seekers struggle with tailoring
resumes and cover letters for each role
(Source: Zety, 2023)

\$4,129
Average cost per hire for a company in
the U.S.
(Source: SHRM Human Capital Benchmarking)

85%
Of applicants are **screened out by ATS systems** before a human ever sees the resume
(Source: Jobscan, 2023)

The problem

Job seekers are overwhelmed by manual, repetitive application tasks

Recruiters receive low-quality, irrelevant applications

Lack of personalization decreases callback rates

Early Career Job Seekers

Customer Segment 1

Profile:

- Age: 21–30
- Education: Final-year students or recent graduates (Bachelor's/Master's)
- Fields: Data Analytics, Computer Science, Marketing, Finance
- Platforms: Use LinkedIn, Indeed, Handshake
- Pain Points: Tailoring experiences as per the job descriptions.

Mid/High-Level Professionals Switching Careers

Customer Segment 2

Profile

- Age: 30–45
- Work Experience: 5–15 years
- Motivation: Getting into leader roles (e.g., product management), pivoting into new domains (e.g., tech, data)
- Pain Points: Outdated resumes, unfamiliarity with new role expectations, writing down decades of experiences in 1/2 pages.

Our value.

We eliminate
repetition in the job search.
and

Whether you're a recent graduate or pivoting careers, AI Job Hunter aims to help you build high-quality applications in minutes—dramatically improving relevance, confidence, and callback rates.



AI Job Hunter is a personalized career copilot that transforms how job seekers apply—by automating resume tailoring, generating role-specific cover letters, and identifying critical skill gaps using generative AI.

GPT 4

User Story



NAME: Jane Doe

AGE: 26 years

MAJOR: Data Analytics

PLATFORMS: Uses LinkedIn, Indeed, Handshake

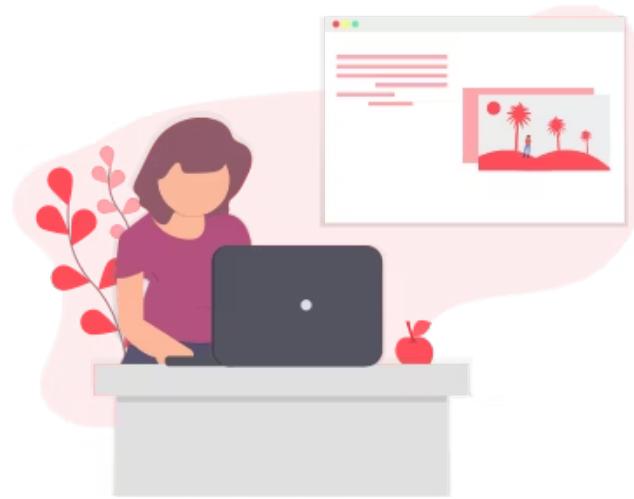
Time Constraint

Keeping up with the competition

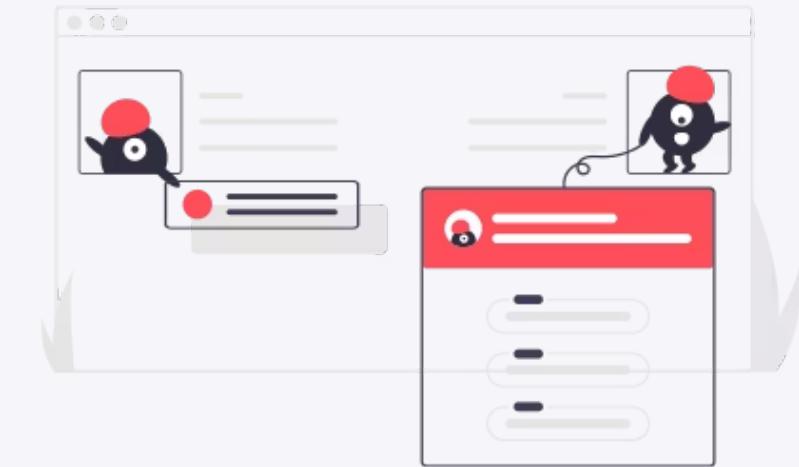
ATS Rejections

Unaffordable PAID Platforms

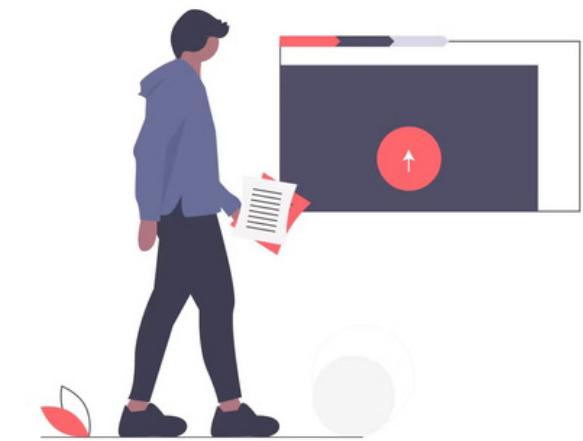
The solution



Auto-tailors resumes with role-specific keywords

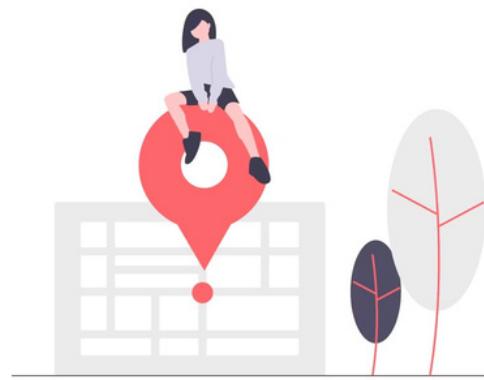


Generates cover letters instantly



Offers match score and missing skills insight to upskill

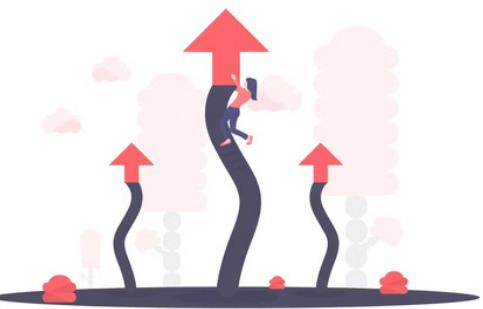
How does your product or service work?



Choose



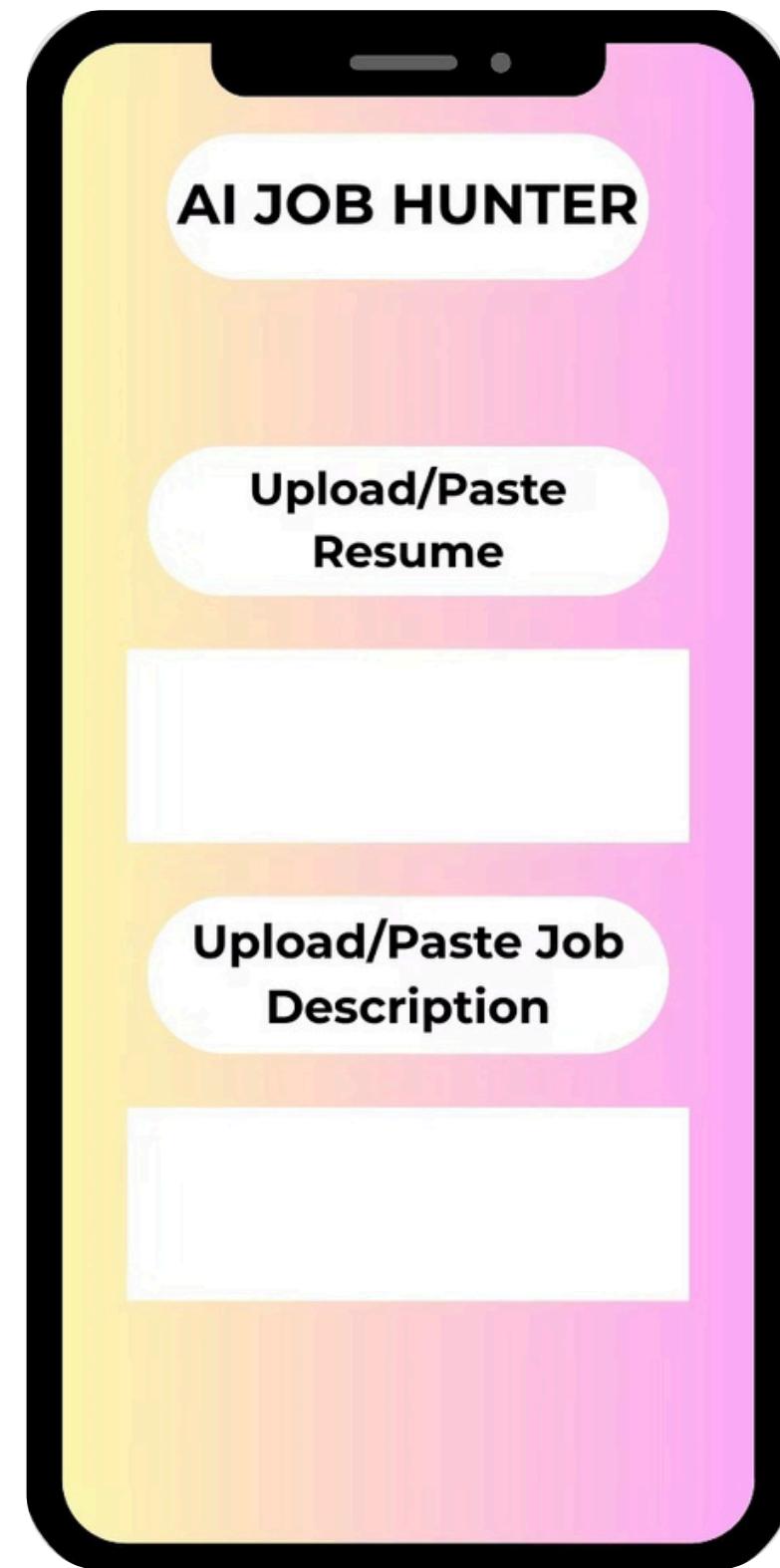
Run



Upload



Apply



"Get real-time insights into what your resume is missing—before you hit apply."

Feature 1

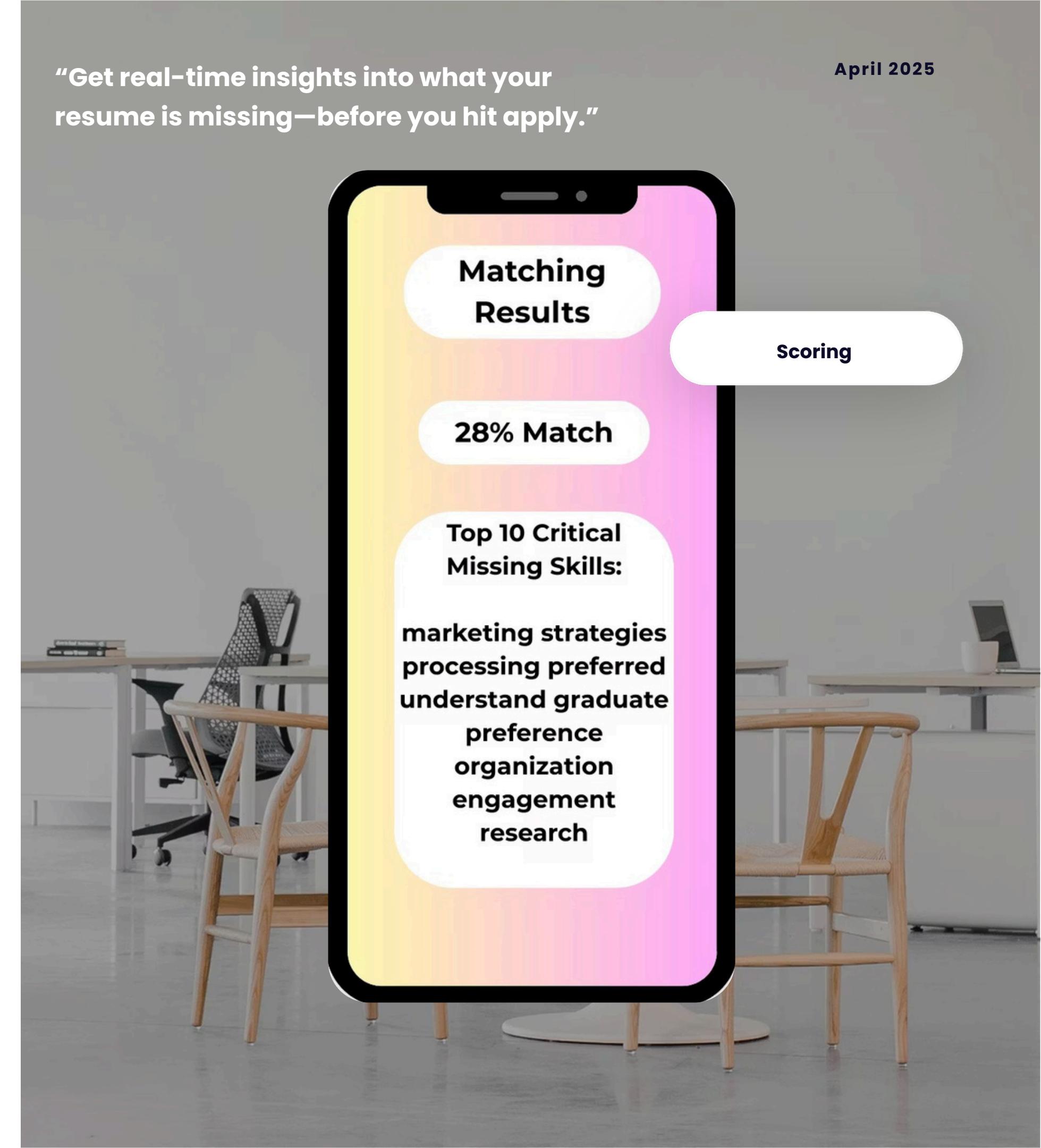
Resume-Job Match Score

Evaluates how well a resume aligns with a job description using AI-powered text similarity (e.g., embeddings or cosine similarity).

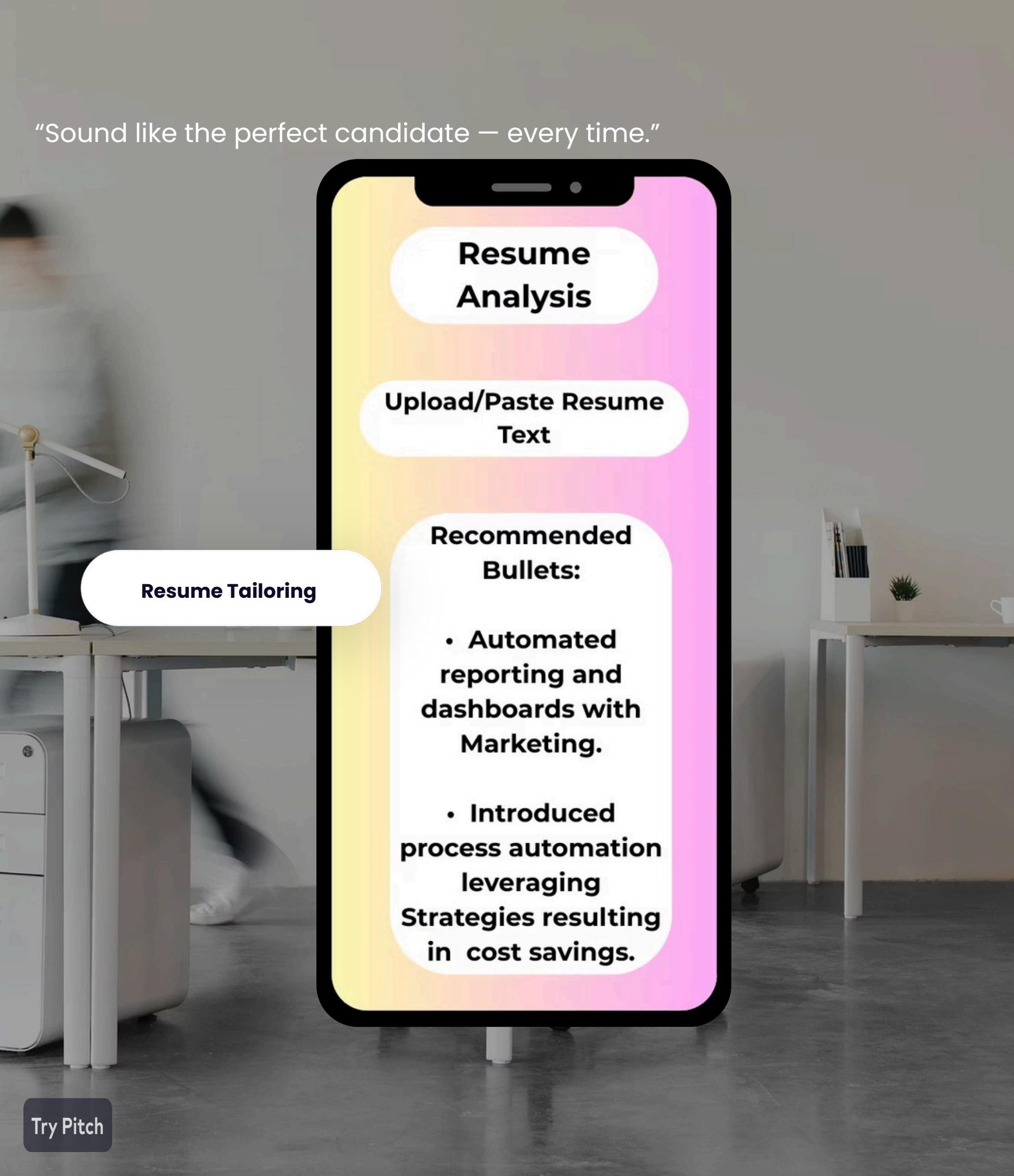
How it helps:

Job seekers instantly understand how tailored their resume is for a role, no more guessing. It flags critical skill gaps and boosts application precision.

Try Pitch



"Sound like the perfect candidate – every time."



Try Pitch

Feature 2 Tailored Resume & Bullet Point Generator

Automatically rewrites or enhances resume bullet points using GPT, based on the job description and role-specific language.

How it helps:

Saves time and eliminates the stress of rewriting resumes for every role. Helps users sound confident and qualified – even when switching fields.

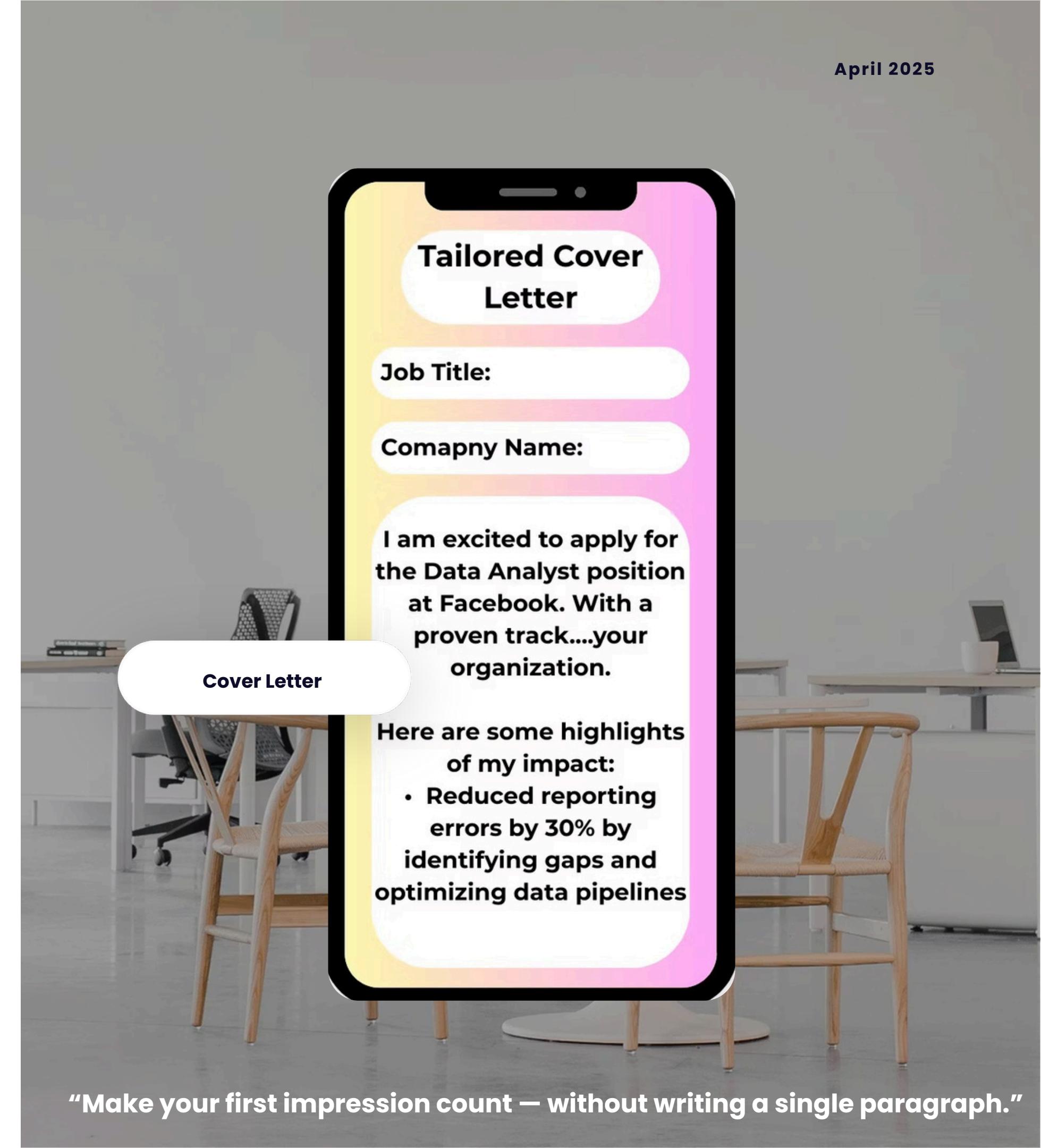
Feature 3

Personalized Cover Letter Creator

Creates a professional, custom cover letter that highlights user strengths, achievements, and alignment with the job.

How it helps:

Increases chances of callback with a persuasive, human-sounding letter that adapts tone and content to each opportunity.



"Make your first impression count — without writing a single paragraph."

Feature 4

Smart Summary Report

Delivers a concise, AI-generated report highlighting match score, matched vs. missing skills, suggested improvements, and resume readiness rating.

How it helps:

Gives users an immediate, actionable snapshot of their application quality — making it easy to identify what's working and what needs fixing.

"Clarity in one click — know exactly where you stand and what to improve."



Streamlit User Interface

🚀 AI Job Hunter - Personalized Career Copilot

Optimize your Resume and Cover Letter using Professional AI Insights!

Upload your Resume (.pdf, .doc, .docx, .txt)

Drag and drop file here

Limit 200MB per file • PDF, DOC, DOCX, TXT

[Browse files](#)

Upload your Job Description (.pdf, .doc, .docx, .txt)

Drag and drop file here

Limit 200MB per file • PDF, DOC, DOCX, TXT

[Browse files](#)

OR Paste your Resume text below:

OR Paste your Job Description text below:

✍ Enter Job Title (example: Data Analyst)

✍ Enter Company Name (example: Amazon)

Analyze Now
Try Pitch

Conclusion

The problem is real:

Imagine not getting shortlisted in companies even after having best skills and experiences. This is a real problem.

So the solution is:

During this project, we tried to address this challenge with LLM backed streamlit application. This is the initial phase of the application and it can be enhanced to perform much complex work.

Future scope:

Currently, the application has limited number of features (4). Other enhancements that can be added are -

- i. Launching iOS/Android/Desktop application
- ii. Social Media sharing/Collaboration
- iii. Multi-language support
- iv. A/B testing of the features
- v. Using subscription model for added functionalities

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