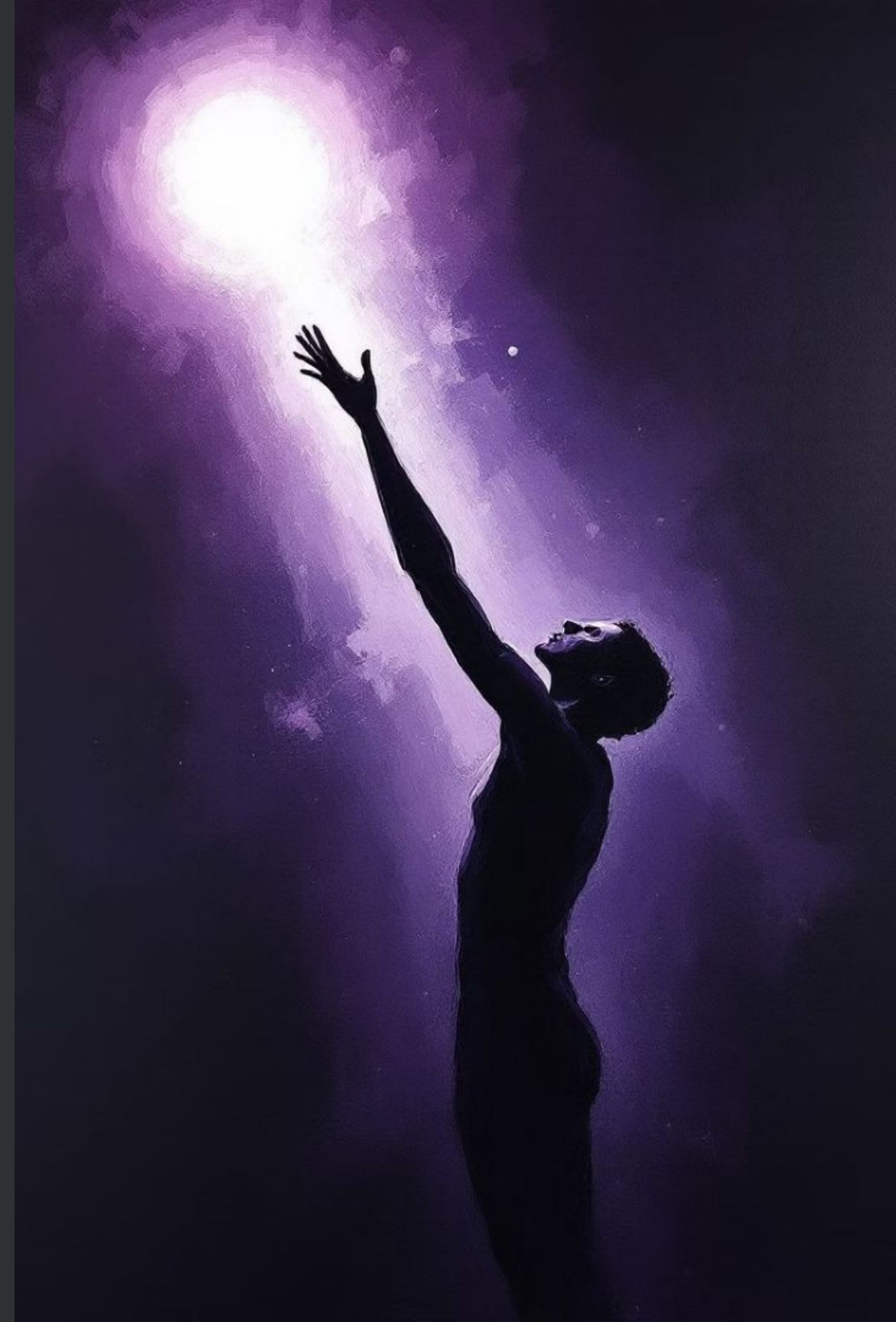# Job Creation

1. Biniyam Tilahun

2. Robsen Gelana

3. Elias Teku

4. Hilina Teshome

5. Chala Lelisa

6. Kirubel Wondwossen

Problem Statement – Mismatched Job Market

Many job seekers struggle to find employment due to mismatched skills and inefficient job search processes.

GCGO: This issue directly relates to job creation by improving employment matching through technology.

Why it Matters because high unemployment rates affect economic stability and individual livelihoods.

User Impact – Abel's Struggle

Meet Abel, a 25-year-old computer science graduate. Despite strong skills, he is unemployed due to a lack of tailored job recommendations. He feels frustrated and financially insecure.

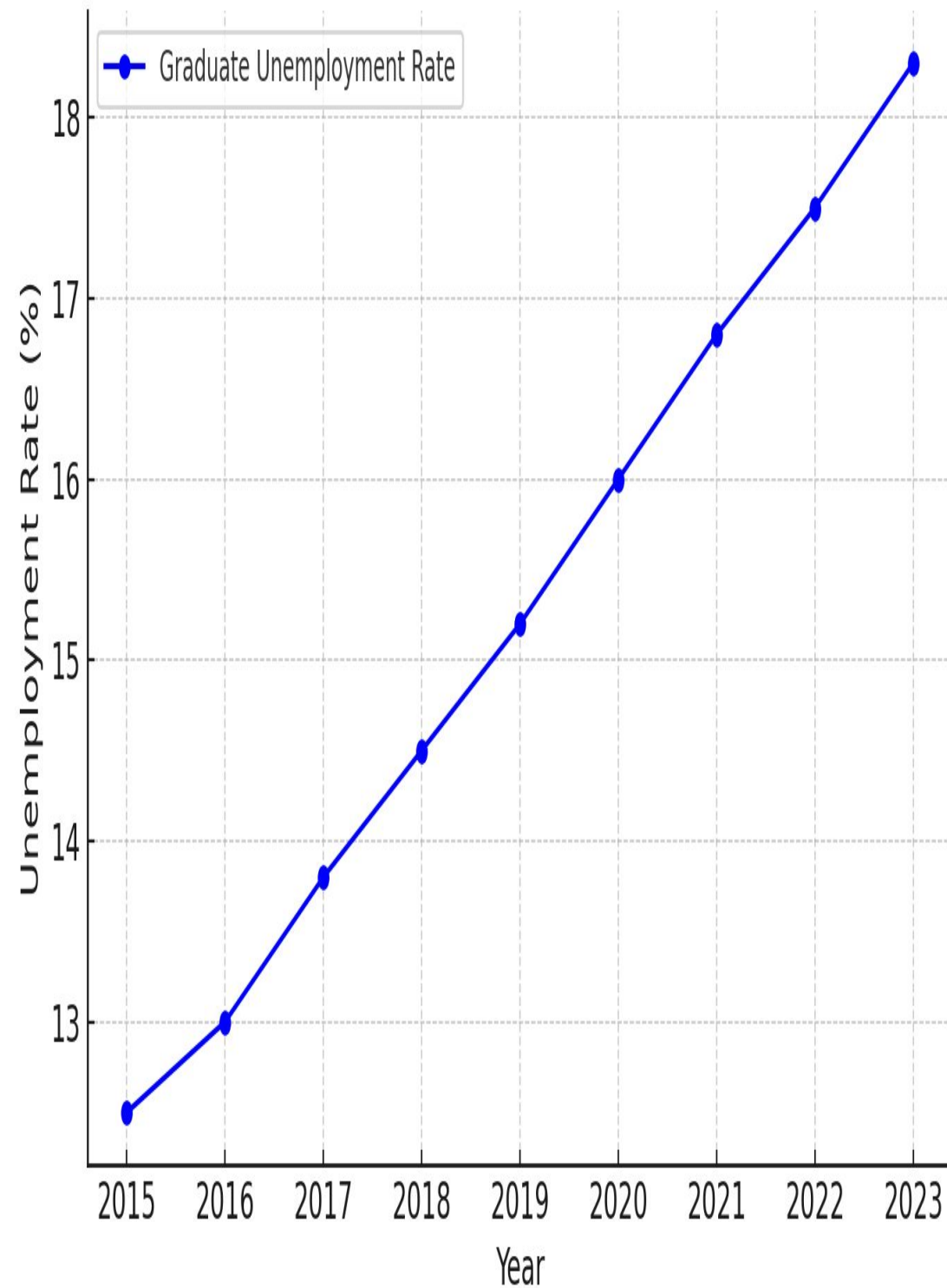Ethiopia: Job Creation Rate vs. Population Growth Rate (2015-2023)
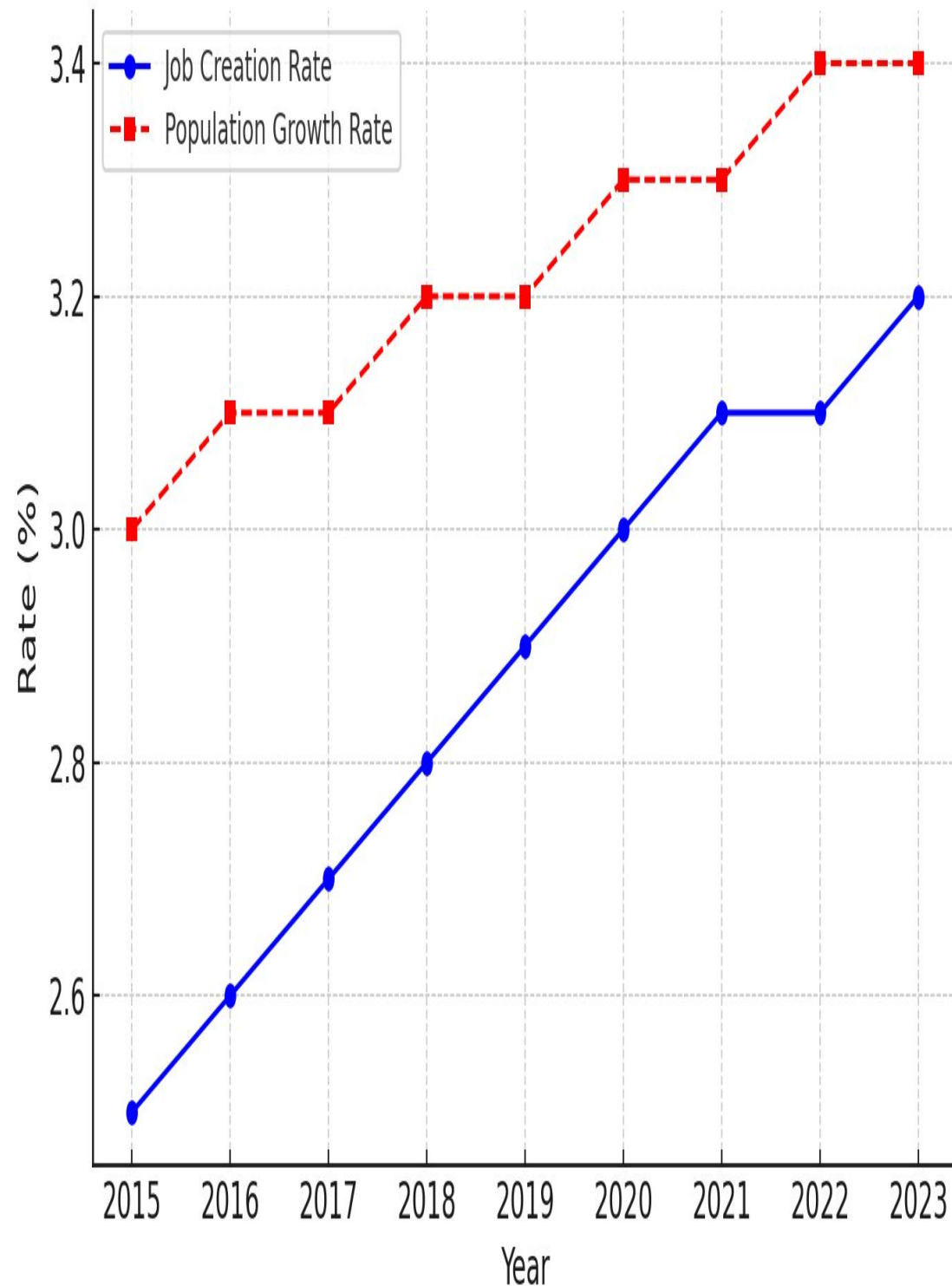
Research Finding 1: Stagnant Job Growth in Ethiopia

Ethiopia's job creation rate has not kept pace with population growth, leading to increased unemployment, especially among youth.

Source: www.tandfonline.com

Made with Gamma

Graduate Unemployment Rate in Ethiopia (2015-2023)

Research Finding 2 – Skills Mismatch in Ethiopia's Labor Market

Despite a growing number of graduates, there is a significant skills mismatch in Ethiopia, with employers reporting that graduates often lack the practical skills required for available jobs.

Source: Education in Ethiopia - Wikipedia

Made with Gamma

Research Finding 3 – AI's Impact on Job Placement Success Rates

Artificial Intelligence (AI) has significantly enhanced the recruitment process by automating tasks such as resume screening and candidate matching, leading to increased efficiency and reduced hiring times.

Source: Artificial intelligence in hiring - Wikipedia

# Proposed Solution – AI-Powered Job Matching

An AI job matcher that connects seekers to jobs and offers tailored training.

Uses AI to analyze job listings and suggest relevant positions.

Reduces the time and effort needed for job searching.

Offers AI-driven training programs to bridge skill gaps and increase employability.
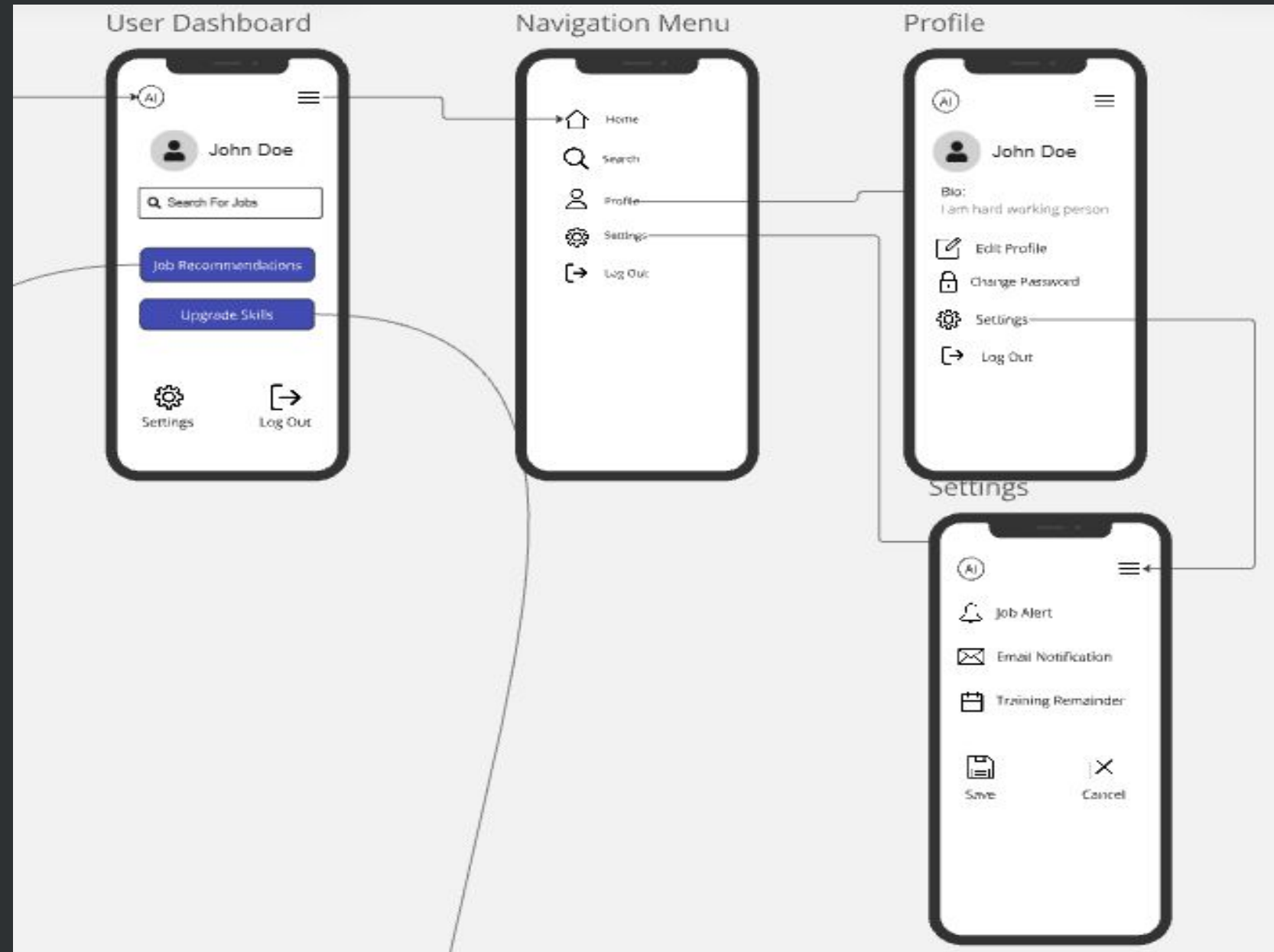
Solution Demonstration – Wireframe Preview
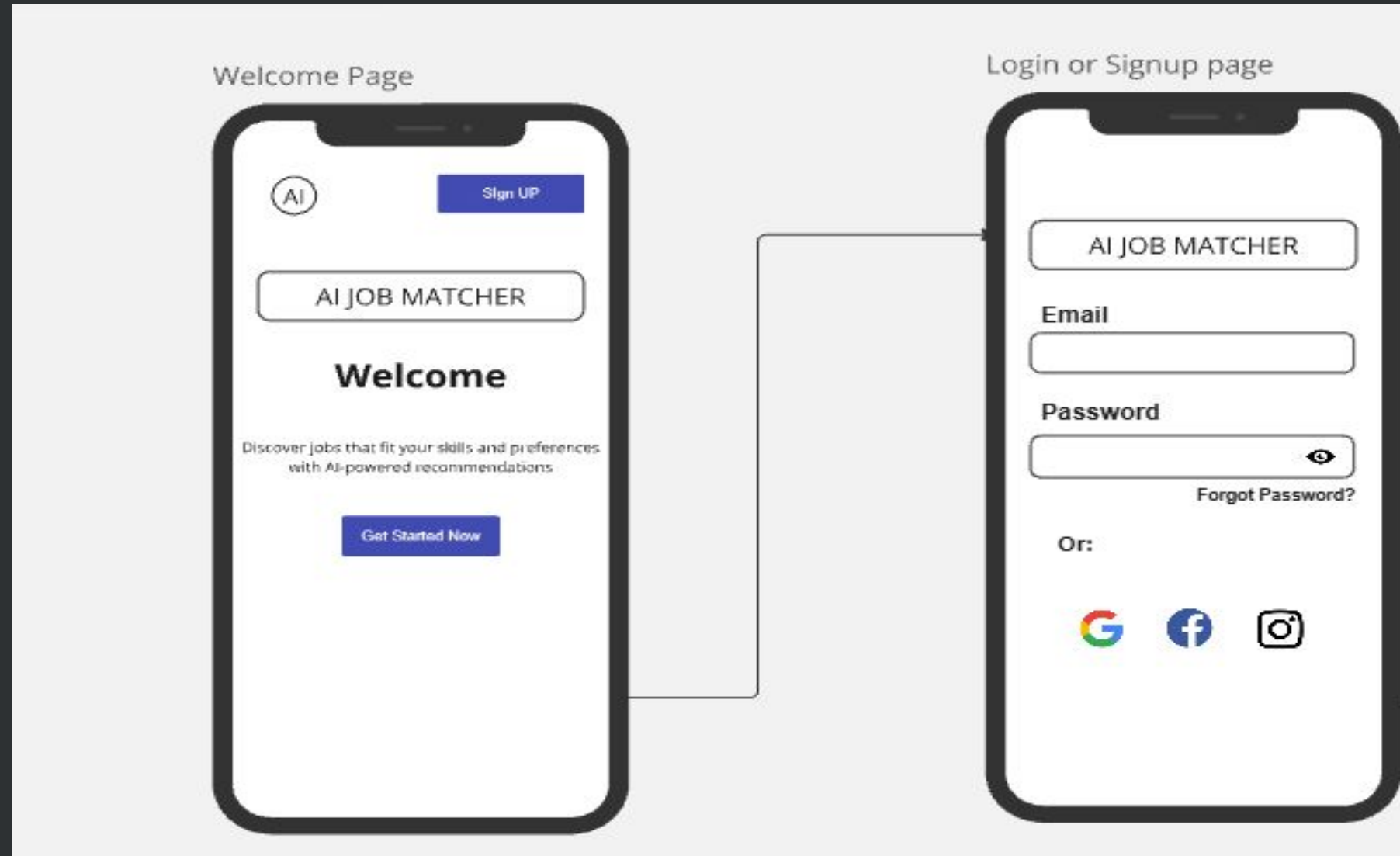
Solution Demonstration – Wireframe Preview
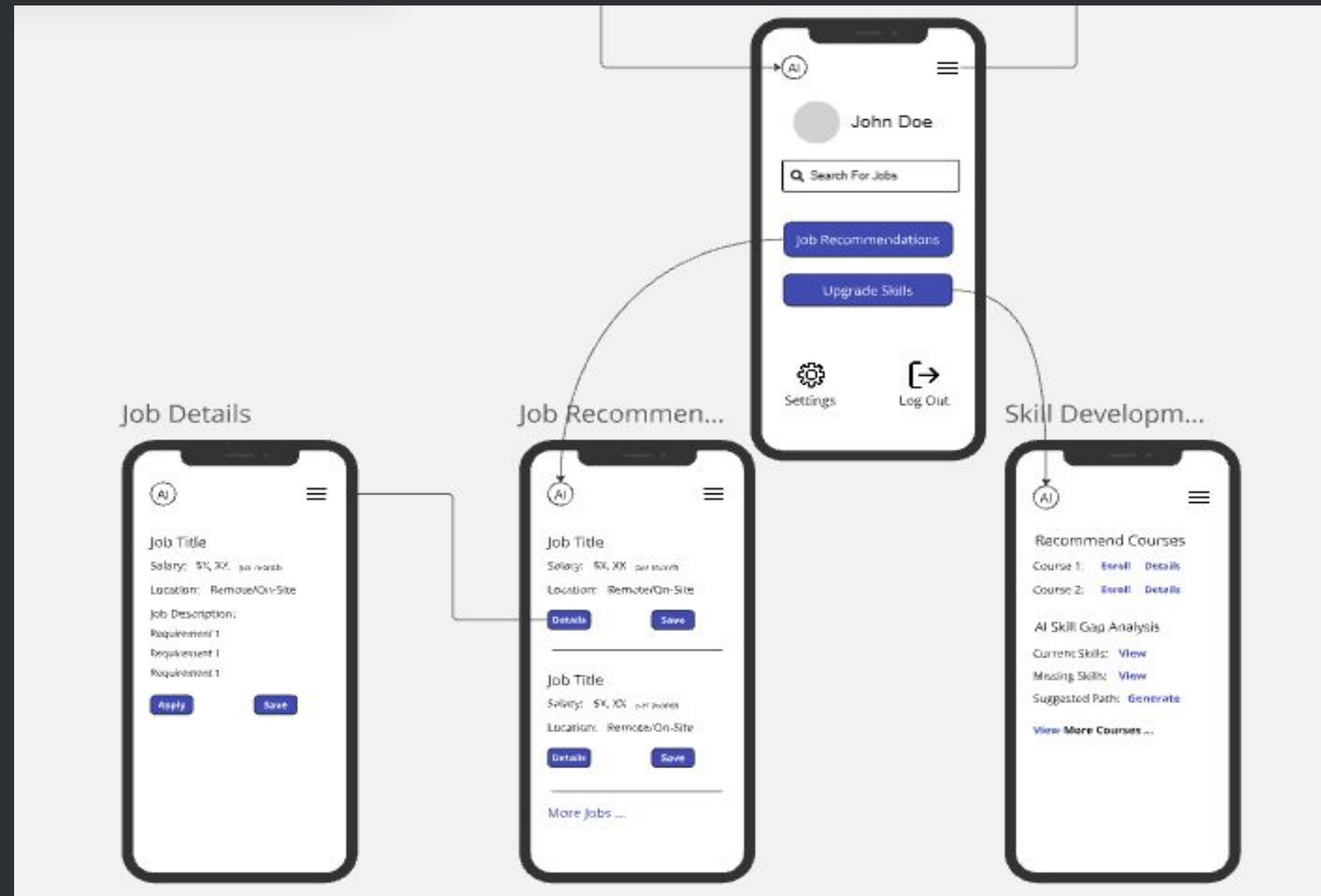
Solution Demonstration – Wireframe Preview

User Pain Points – Issues Identified in Testing

Users found job recommendations too broad and wanted more filtering options.

Users were unsure how AI made recommendations and wanted more transparency.

Recommendations – Improving the AI System

1 Add advanced filters for location, salary, and job type.

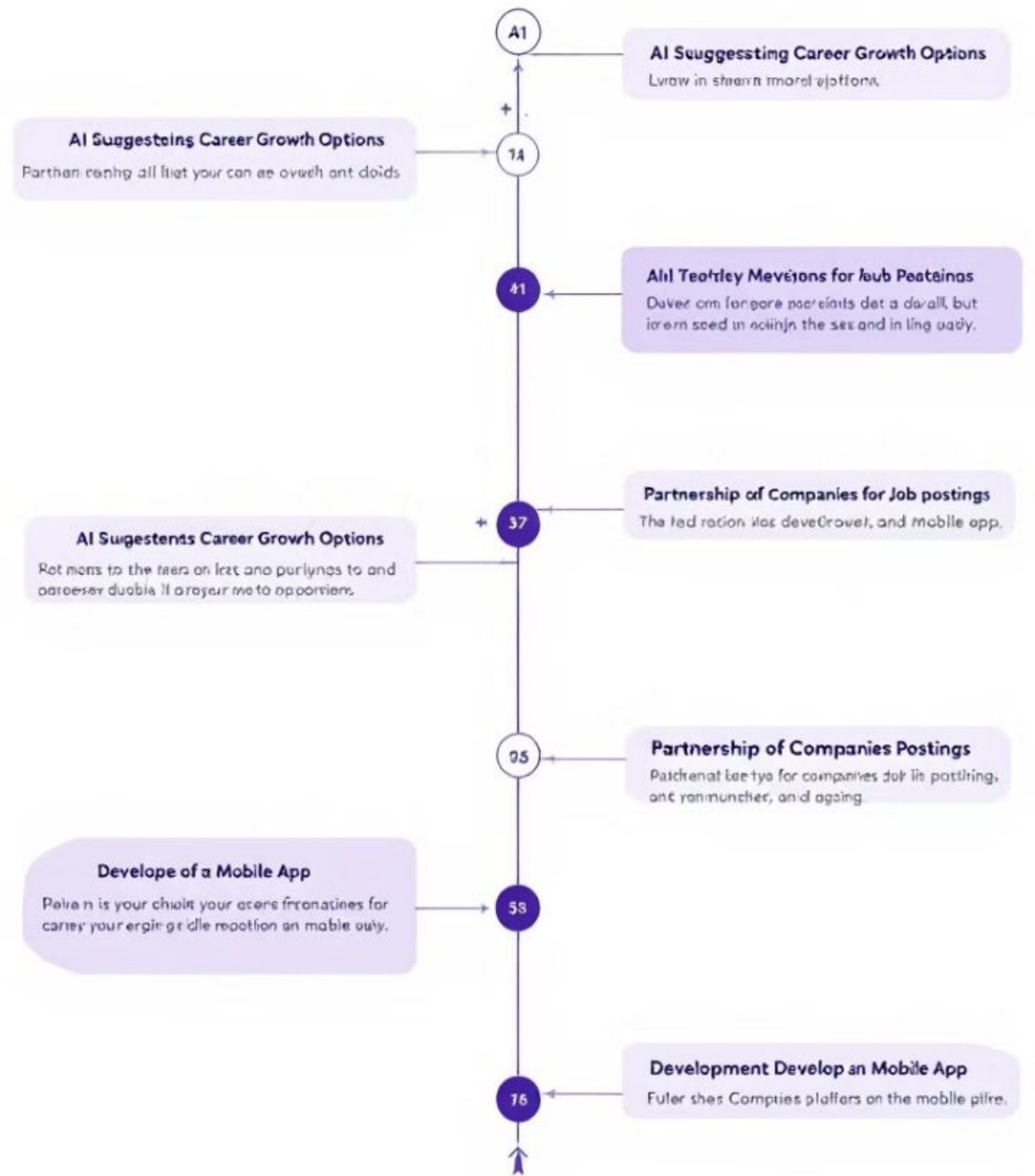**2** Provide a brief AI explanation for job recommendations.
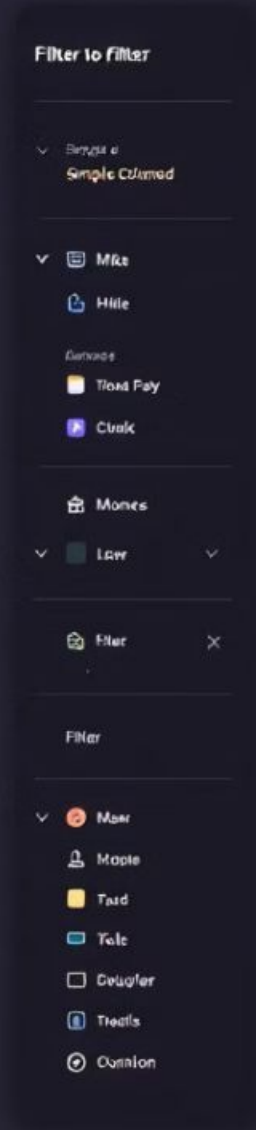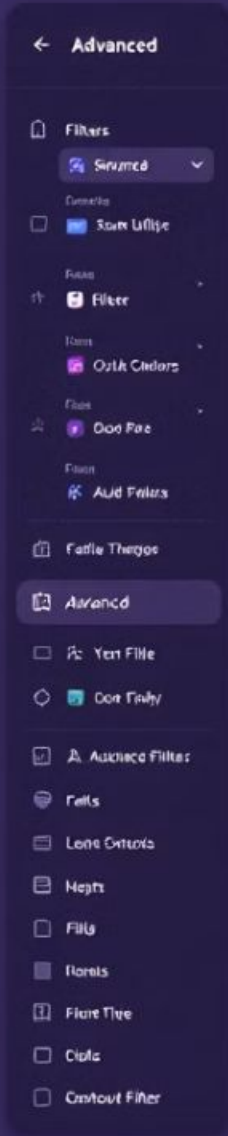
Next Steps – Scaling the Solution

1   Expand AI to include career growth suggestions.

2   Partner with companies to ensure a steady flow of job postings.

3   Develop a mobile app for accessibility.

Conclusion – The Impact of AI Job Matching

The job search process is inefficient, causing frustration for job seekers and challenges for employers.