

Intelligent Virtual Career Advisor

Problem Statement

In today's rapidly evolving job market, individuals face challenges identifying suitable career paths, acquiring in-demand skills, and making strategic professional decisions. This leads to confusion, poor career choices, and missed opportunities.

Solution

Intelligent Virtual Career Advisor provides an innovative, AI-driven solution that helps users:

- Assess their skills
- Understand the job market
- Optimize their resumes
- Prepare for interviews
- Get personalized career and networking recommendations

Key Features

1. **Skills Assessment** – Interactive quizzes and input-based analysis
2. **Job Market Analysis** – Real-time data from job boards
3. **Resume and Interview Tips** – AI-enhanced feedback & mock interviews
4. **Career Path Suggestions** – based on current skills + job trends
5. **Network Analysis** – Smart LinkedIn recommendations and alumni connections

Tech Stack

Layer	Tools Used
Frontend	Html/CSS/ Javascript
Backend	Django
AI & ML	GPT-4.O, Open AI
Database	SQL3lite
APIs	Open AI
Hosting	Local Host

User Flow

1. Sign Up & Profile Creation
2. Skill Assessment Quiz
3. Resume Upload for Feedback
4. Get Career Recommendations
5. View Learning Paths & Networking Suggestions
6. Access Mock Interview Questions

How It Works (Architecture)

- Frontend connects via API to backend services
- Resume data is parsed using NLP
- Skills are compared with job market data
- Career paths are suggested using a recommendation engine
- Backend stores and updates user data securely

Real-World Impact

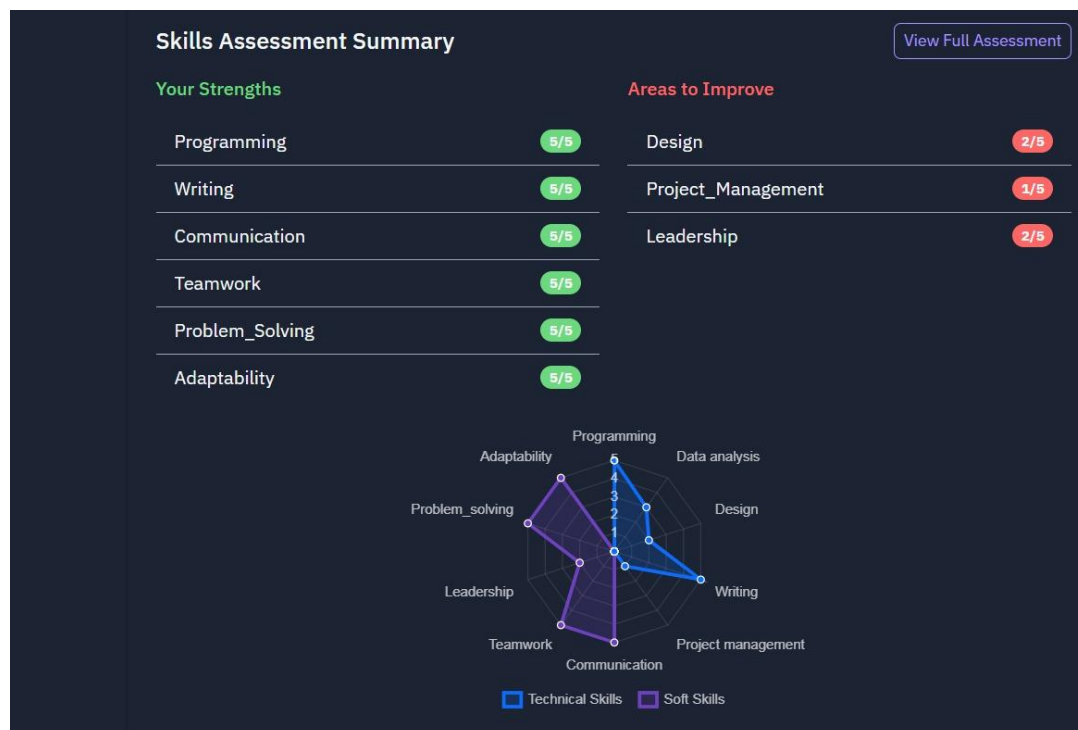
- Helps students make smarter academic and career decisions
- Empowers job seekers with insights they often lack
- Scales career guidance for colleges, placement cells, and professionals

Future Enhancements

- Voice assistant/chatbot integration
- Personalized learning dashboards
- Deeper integration with online course platforms
- Community forums for peer networking

Screenshots :

Skills Assessment:



Home Page:


Career AdvisorHome

LoginRegister

Discover Your Ideal Career Path

Our AI-powered platform offers personalized career guidance, skills assessment, and job market insights to help you navigate your professional journey with confidence.

[Get Started](#)[Sign In](#)



Unlock Your Career Potential

Our comprehensive tools help you make informed career decisions

Personalized Career Path Recommendations:

Career Path Recommendations

Based on your skills assessment, we've identified optimal career paths that match your strengths and interests. Explore these recommendations to help plan your next career move.

Software Development

Path Overview

The Software Development field has strong growth potential over the next 5-10 years. With your skills in programming, writing, communication, teamwork, problem_solving, adaptability, you're well-positioned to advance. To maximize growth, consider developing expertise in programming, data_analysis, project_management.

Required Skills

programming

data_analysis

project_management

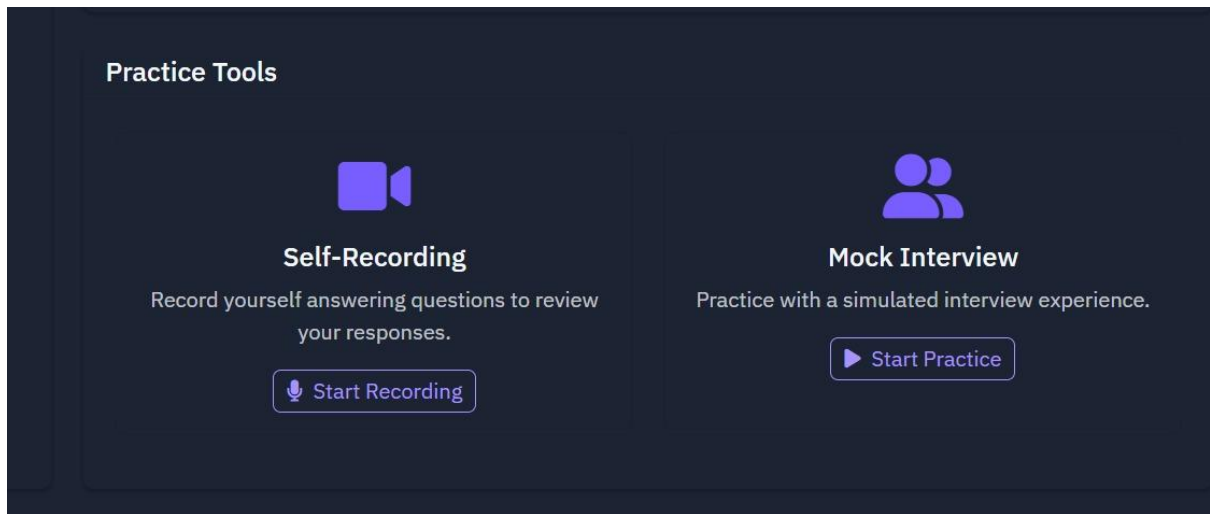
communication

teamwork

problem_solving

adaptability

Resume & Interview Tips:



Team Members

1. Shah Aangi
2. Neel Thakkar
3. Vivek Soni
4. Dhairya Patel
5. Tanisha Rana

Links

<https://github.com/Neelthakkar8105/Career-Advisor.git>