

Nextech Mind



S2P Robotic

INNOHACK 2.0

Presented By Bot Buddies



AI-POWERED RESUME & CAREER ANALYZER PLATFORM



Team Name : CodersSpace

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Institution : Vishwakarma Institute Of Information Technology, Pune

TEAM & ROLES



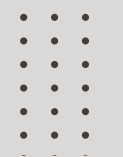
- **Parth and Nayan :**
Frontend development
- **Jayendra :**
Database management, sqlite
- **Danyal :**
Backend development and data scraper

WHY THIS PROBLEM MATTERS

- Job Seekers Are Often Lost
- Traditional Career Advice Is Generic
- Recruitment is AI-Driven, But Applicants Aren't
- There's a Skills Gap Problem
- Inequality in Career Opportunities
- Resume Quality is Inconsistent

PROPOSED SOLUTION

- AI-powered career guidance based on resume analysis and market trends
- Personalized, real-time recommendations using Gen AI
- Skill gap analysis with targeted upskilling suggestions
- Accessible, unbiased tools for equal career opportunities



INNOVATION & IMPACT

Innovation:

- AI-powered resume parsing and job matching using NLP and ML
- Personalized career path suggestions based on real-time job market data
- Resume optimization for ATS (Applicant Tracking Systems)
- Automated job and skill market scraping for live insights
- Scalable, accessible career guidance without human intervention



Real-Life Impact:

- Helps job seekers get more interviews by improving resume visibility
- Saves time by focusing on the most relevant job opportunities
- Guides career changers with clear, data-driven transition paths
- Reduces education waste by recommending high-impact skills
- Promotes equal opportunity by removing bias from career advice

TECH STACK

1. Frontend

- React.js
- Tailwind CSS

2. Backend

- Python
- Fast API

3. Resume Parsing

- pdfminer.six
- python-docx

4. Authentication And Security

- passlib
- itsdangerous
- authlib
- bcrypt
- python-dotenv

5. Testing & Debugging

- pytest
- ipython

6. Database And web scraping

- SQLite
- beautifulsoup4
- selenium
- lxml
- urllib3
- requests
- webdriver-manager



Data Scraping

Q. Is DataScraping Illegal?

Court case between hiQ Labs and LinkedIn



The court's reasoning, influenced by the Van Buren precedent, was that “**unauthorized access**” **under the CFAA(Computer Fraud and Abuse Act) does not apply to websites open to the public.** Since anyone could view a public LinkedIn profile without bypassing authentication.

The ruling on the CFAA in the hiQ v. LinkedIn case established a precedent confirming that the anti-hacking law cannot be used to stop the scraping of data that a website makes openly available. **This provides legal clarity for data analytics companies, academic researchers, and journalists who rely on collecting public data.**

Focused Features of Our Project

- **Resume Analysis with ATS Score**

Our system intelligently analyzes uploaded resumes, assigning an ATS (Applicant Tracking System) score, and highlights both strengths and weaknesses to improve the chances of selection.

- **Course & Skill Recommendations via Coursera**

Suggests industry-relevant courses and skills from platforms like Coursera, enabling users to bridge gaps and upskill efficiently.

- **Dynamic Resume Builder with History Tracking**

Users can generate a professional resume in real-time using their provided data. All generated resumes are securely stored in a database for future access and downloads.

- **Personalized Job Role/Internship Recommendations**

Based on the user's skills and experience, the system suggests relevant job roles tailored to their profile. We fetch live job listings from LinkedIn that align with the recommended job roles, helping users discover opportunities without manual searching.

Additional Features

- **Manual Job, Internship, and Course Search**

Users can manually search for jobs, internships, or courses, just like on LinkedIn or Coursera, for added flexibility and exploration.

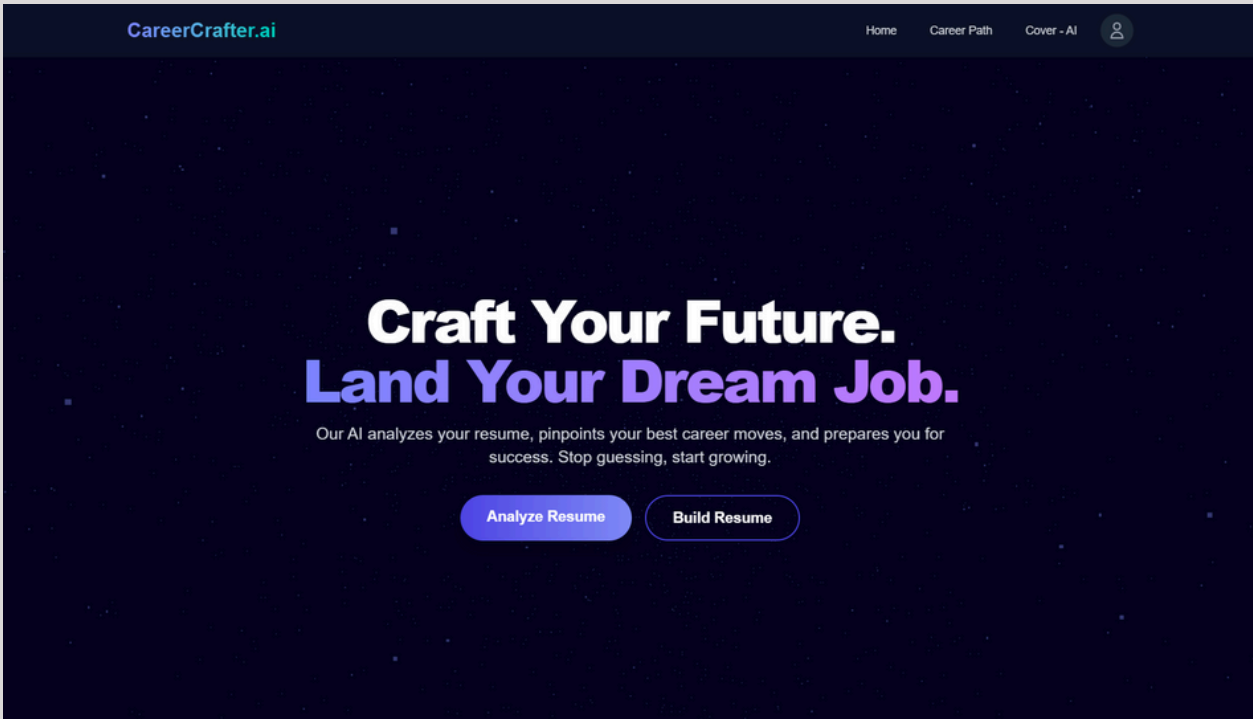
- **Career Path Analysis**

A unique feature where users input their current position and their target career goal. Using generative AI, we provide a personalized roadmap outlining the steps needed to achieve that transition—displayed in a clean, card-based format on the frontend.

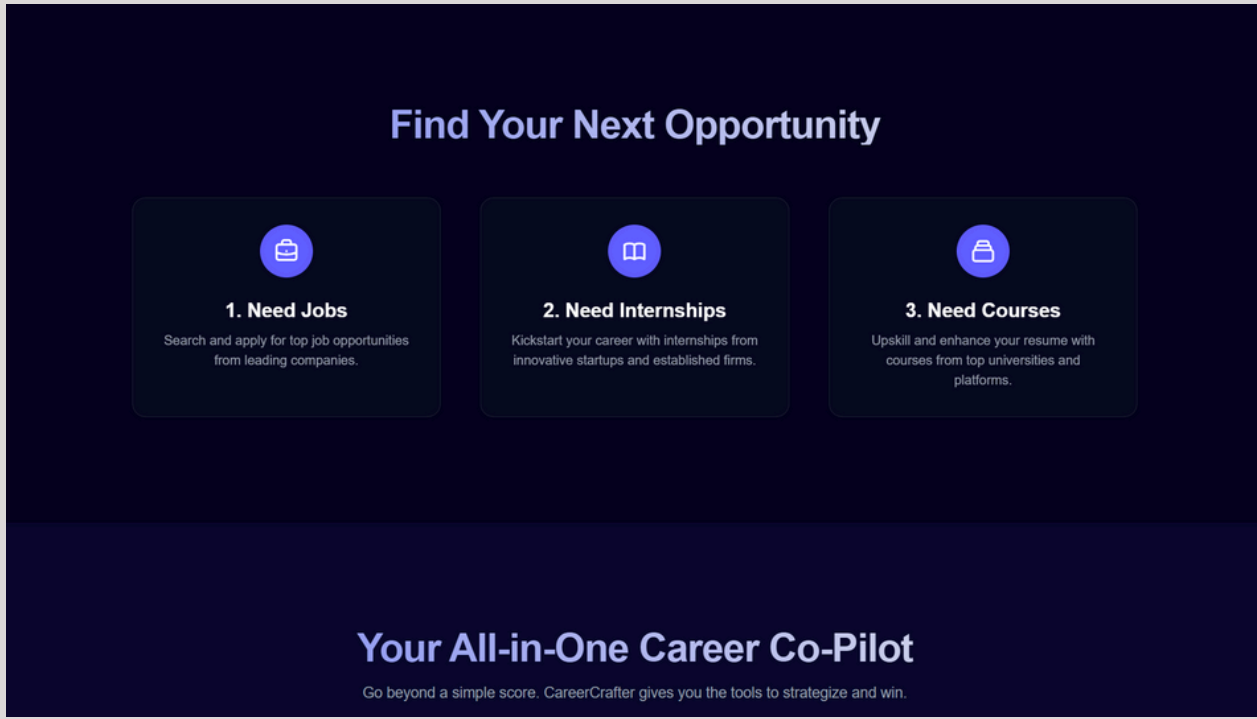


PROTOTYPE / SCREENSHOTS

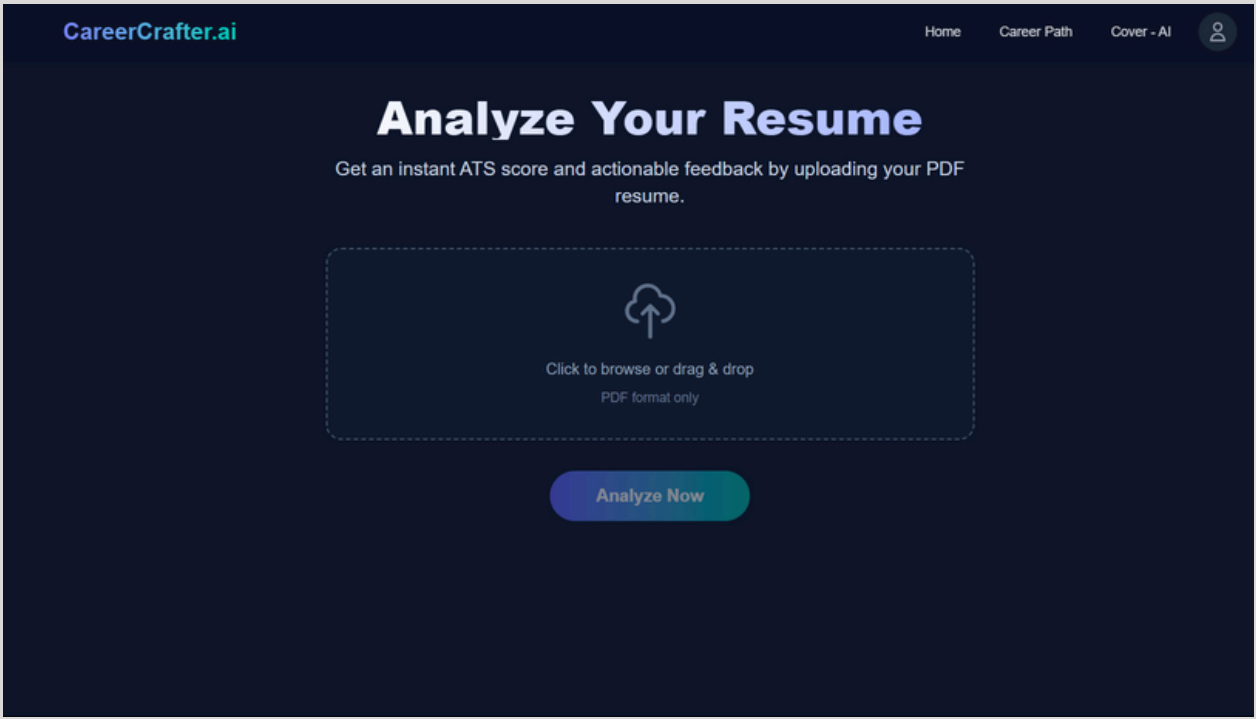
Home Page



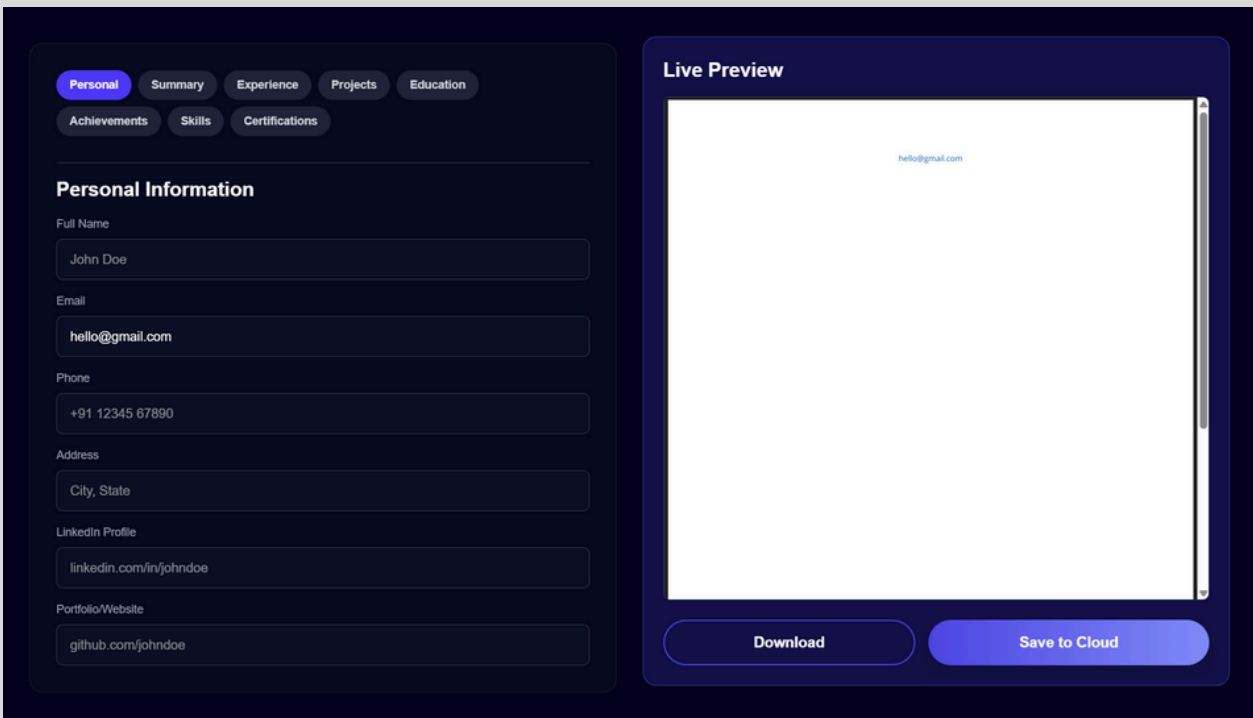
Opportunities Page



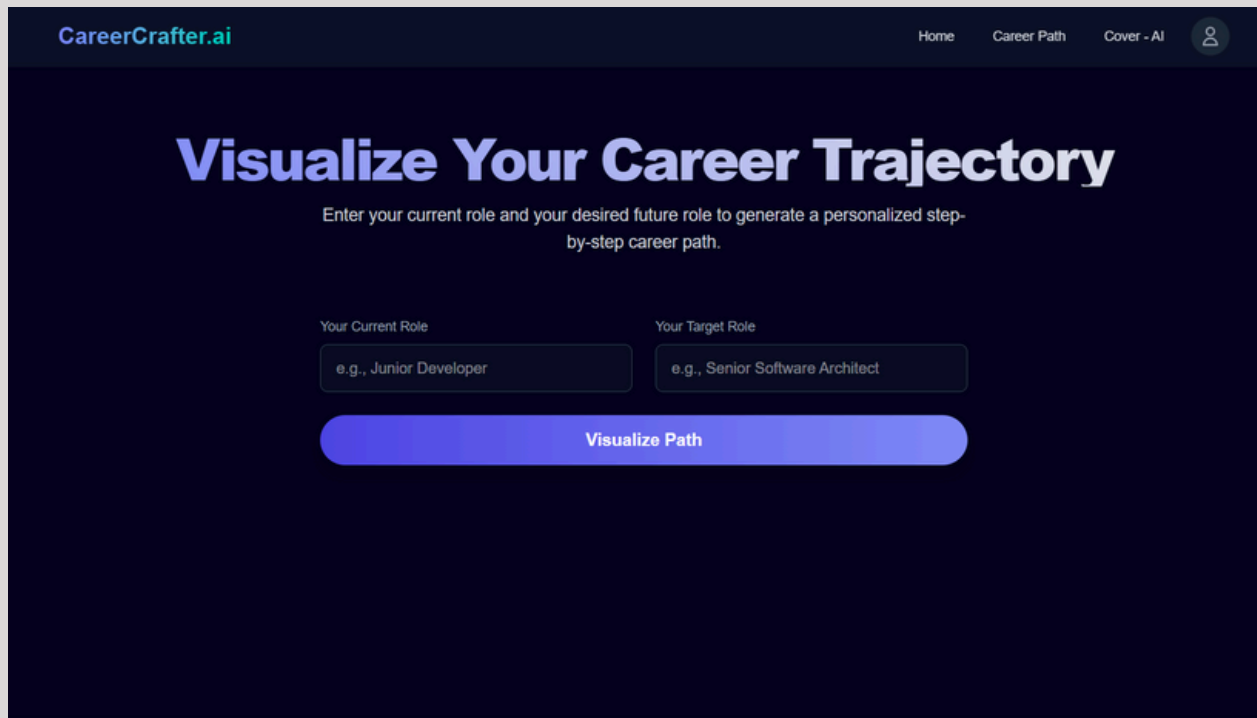
Analyze Resume Page



Build Resume Page



Carrier Path Page



Cover - AI Page

