

TECH

TRUCTION



THEME & PROBLEM STATEMENT

Theme: Open Innovation

Empowering job seekers through open innovation by combining their skills with shared data, live job insights, and smart recommendations—helping them find the right roles and grow into better opportunities.

Problem Statement:

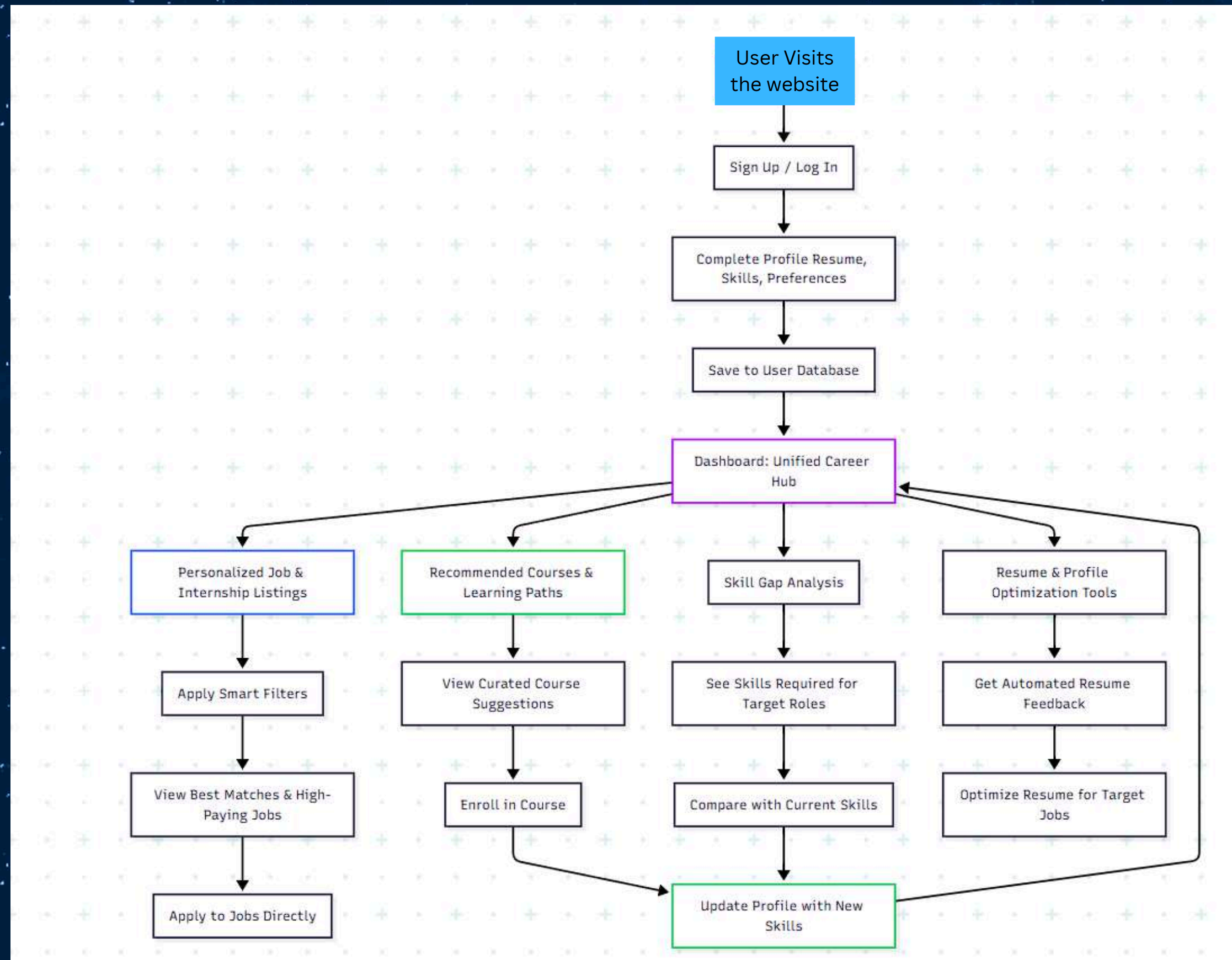
Job seekers spend too much time filtering through job listings on multiple platforms without knowing which roles match their skills or which small skill upgrades could unlock better opportunities.

PROPOSED SOLUTION

We propose a smart platform that simplifies and improves the job/internship search process through automation and intelligent matching:

1. **Resume Upload / Selection** – Users upload a resume or choose between job and internship options. If no resume is available, a short questionnaire is provided.
2. **Resume Cleaning** – The platform formats the resume neatly and removes unnecessary white spaces.
3. **Skill Extraction** – Skills are automatically extracted from the resume or questionnaire answers.
4. **Job Matching** – The system matches these skills with current job/internship listings and shows suitable roles.
5. **Near-Miss Jobs** – It highlights roles the user almost qualifies for, offering better opportunities.
6. **Skill Suggestions** – Recommends specific skills to learn, helping users unlock better job options.

FLOWCHART / DIAGRAM



FLOWCHART / DIAGRAM

- The process begins when the user opens the website and signs up or logs in. They complete their profile by uploading a resume, listing skills, and setting preferences. This data is saved to the user database, after which they are directed to the Dashboard: Unified Career Hub, the central hub for all key features.
- From the dashboard, one route leads the user to Personalized Job & Internship Listings. Here, smart filters are applied to tailor listings based on the user's profile and preferences. The system then displays the best matches. Finally, users can directly apply to these jobs, making the job application process streamlined and efficient.
- From the dashboard, users can access curated course suggestions based on their skill gaps and career goals. They can then enroll in relevant courses to upskill and improve job readiness.
- Another flow from the dashboard is directed towards Learning Paths. The system compares required skills of companies with the user's current skill set. If the skills of user is a mile away from company's required skills with higher-paying job opportunities, the system highlights those roles and suggests the exact additional skills needed to fully qualify.
- This flow helps users enhance their resumes through automated resume feedback. The system analyzes the resume and suggests improvements based on target job roles. Users can then optimize their resume to better align with specific job requirements and increase their chances of getting shortlisted.

FEATURES AND NOVELTY

- **Unified Platform** – No need to visit multiple job boards, skill platforms, and resume tools
- **Dual Input Options** – Users can either upload a resume or manually enter their skills
- **Smart Skill-Based Matching** – Matches jobs to resume skills directly
- **Match Job Detection** – Identifies jobs you're almost qualified for
- **Precise Skill Suggestions** – Tells you exactly what skills are missing for better jobs (e.g., “Learn PostgreSQL to apply for backend roles at Amazon”)
- **Skill-to-Opportunity Mapping** – Helps you focus your upskilling where it actually matters
- **Time-Saving Job Discovery** – No more browsing hundreds of listings

DRAWBACK AND SHOWSTOPPERS

- **Data Dependency** – Requires access to a large and regularly updated job/internship database. Scraping from sites like Internshala or LinkedIn may violate terms of service or need API access.
- **Company Skill Transparency** – Some job listings do not clearly specify required skills or salary packages, making it difficult to accurately compare jobs or recommend better opportunities.
- **Not Meant for All Fields** – The platform is best suited for tech and business roles where skills are explicitly listed; it may not perform well for creative or non-technical domains.

Techtruction

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