

Universal Career Platform - Complete Workflow & Implementation Guide

A fully AI-driven ecosystem for every student, across every field.

Prepared For: Your Career-Ed Tech Platform

Prepared By: ChatGPT

1. User Onboarding & Personalization

The platform begins with a role-based onboarding system designed to personalize the entire user journey. When a student logs in for the first time, they complete a short questionnaire about:

• **Field** – CS, MBBS, Accounting, Marketing, Law, Mechanical Engineering, etc. • **Target Role** – “Python Intern”, “Staff Nurse”, “Sales Associate”, “Accountant”, etc. • **Level** – UG/PG, Fresher, Working professional. • **Skills** – Python, Excel, AutoCAD, Communication, etc. • **Career Intent** – Jobs, internships, resume building, interview prep, skill improvement.

Real Example: A 2nd-year BBA student logs in and selects: - Field: Management - Role: Marketing Intern - Skills: Excel, Social Media - Level: Undergrad Your dashboard now tailors: - Resume template for marketing - Marketing interview questions - Jobs related to internships - ATS suggestions relevant to business roles

2. Personalized Dashboard Experience

Once onboarding is complete, the student enters a personalized dashboard built specifically around their profile.

What the dashboard shows: • Career Track (“Marketing Intern – Undergrad”) • Daily Goals (Practice interview, Improve resume, Check jobs, etc.) • Streak (e.g., “■ 4-Day Progress Streak”) • Recommended tools (Resume, ATS, Jobs, DSA for CS students)

3. Streak & Motivation System

Your streak system keeps the student active daily. Any meaningful action counts toward the streak:

✓ Solving or attempting a DSA question ✓ Running resume generation ✓ Performing an ATS check
✓ Practicing an AI interview ✓ Checking job recommendations

Real-life scenario: A Commerce student logs in, updates their resume, and checks two job listings. This counts as a day of progress. The next day, they only do an ATS check → streak continues. If they miss 2 days → streak resets to 1.

4. AI Resume Generator (Fully Dynamic)

The resume generator takes user inputs and builds a fully formatted, ATS-friendly resume using AI.

Process: 1. Student fills simple form (education, skills, projects). 2. Backend sends structured JSON to LLM. 3. AI returns: • Summary • Skills • Experience bullets • Project descriptions • Achievements 4. You render the resume in HTML → export to PDF.

Example Output (For a CS Student): “Built REST APIs in Django handling 2,000+ daily requests.”
“Implemented DSA-based algorithms improving processing time by 35%.”

5. ATS Score Analyzer

The ATS checker simulates how applicant tracking systems evaluate resumes.

Workflow: 1. Student uploads their resume. 2. They paste the LinkedIn/Indeed job description. 3. Your backend extracts text from the resume. 4. AI compares both documents and returns: • Match score (0–100) • Missing keywords • Strengths • Suggestions • Example improved bullet points

Real Example: Job: “Finance Intern – Excel, Accounting, Reporting” Resume missing: Reporting, Financial modeling AI suggests: - “Added financial reporting using Google Sheets for 50+ entries.”

6. Job Finder & Redirection System

Instead of scraping, the platform redirects students to official job boards using smart search links.

Example: Field: Mechanical Role: CAD Design Intern City: Pune Generated Links: - LinkedIn: "CAD Intern Pune" - Naukri: "Mechanical Intern Pune" - Indeed: "AutoCAD Trainee Pune"

The student sees lists of jobs personalized for their profile and can click → opens the job on official site.

7. AI Interview Practice (Text + Voice)

Students practice domain-specific interviews through text or voice.

Text Interview Flow:

1. AI asks domain-relevant question 2. Student responds 3. AI evaluates answer 4. AI gives feedback 5. AI asks next question

Voice Interview Flow:

1. AI speaks question using TTS 2. User answers using mic 3. Audio → STT → Transcription 4. Transcript → LLM → Scoring + next question 5. Summary generated at end

Real Example: Marketing student answer: "I created a social media calendar for my college fest."
AI feedback: "Good start. Add measurable outcomes — e.g., +40% engagement."

8. DSA Prep (CS/IT Students Only)

The DSA section only appears for CS/IT students. It supports two modes:

1. *Linked Problems (recommended for MVP)*

- Store problem titles + topics + difficulty • Link to LeetCode/GFG • Students track their progress internally • AI can still explain solution patterns

2. *AI-Generated DSA Problems (advanced)*

- System generates original problems using AI • Includes: - Statement - Examples - Constraints - Solution approach • Students solve inside your app • AI evaluates their approach

Real Example: AI Problem (Arrays – Easy): “Given an array, find the number of unique pairs whose sum equals K.” AI also generates input/output & optimal solution.

9. Motivation, Gamification & Engagement

Your platform becomes addictive when you add:

✓ Streaks ✓ Daily goals ✓ XP points ✓ Badges (Resume Pro, DSA Rookie, Interview Star) ✓
Weekly performance reports ✓ Personalized improvement suggestions

Real-life Example: A CS student logs in: - Solves 1 DSA question - Practices 1 interview question -
Updates resume → Earns 8 XP → Streak continues → “DSA Beginner Badge Unlocked!”

10. Complete Implementation Roadmap

Phase 1 – Core Foundation

• User onboarding + CareerProfile • Dashboard + personalization • Resume generator • ATS system

Phase 2 – Growth Layer

• Streak system • Job finder • Text-based interviews

Phase 3 – Advanced AI

• Voice interview • DSA (linked + AI generation) • Progress analytics

Phase 4 – Engagement & Community

• XP + badges • Weekly reports • Leaderboards • College groups