

# **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