**Hackerrank Jobs Documentation**

### **Problem Statement**

In the current job market, both job seekers and recruiters struggle with finding the right match efficiently. Job platforms often lack:

* Complete skill validation.
* End-to-end skill assessment integrated with job applications.
* Affordable certification and preparation modules.

The goal of this project is to create a HackerRank Jobs Clone Website that offers not just job postings but also fully integrated skill assessment, certification tests, preparation material, and live coding challenges. This platform helps job seekers prove their skills and allows recruiters to hire verified candidates confidently.

### **Tools & Technologies Used**

* **Frontend:**
  + HTML5
  + CSS3 (Flexbox, Grid, Media Queries for responsiveness)
  + JavaScript (DOM manipulation, form handling, live timer, score calculation)
  + Google Fonts (Poppins)
  + Icons (FontAwesome, Lucide-React where applicable)
* **Design:**  
  Figma (for UI/UX prototyping, wireframes, responsive design drafts)
  + YouTube Video Embedding (Let’sUpgrade video courses integration)
  + Payment Gateway Integration Simulation (for ₹999 certification purchases)

### **Creative Feature Added**

* Multi-Level Certification:  
   The platform offers certification exams for various topics such as:
  + Frontend Development
  + Database Design & Optimization
  + Introduction to AI
  + Machine Learning with Python
* Test Dashboard with Live Timer:
  + Time-bound exams with multiple choice questions and coding challenges.
  + Automatic score calculation and result generation.
* Video Course Integration:
  + Embedded Let’sUpgrade YouTube videos for preparation.
  + Helps learners upskill directly before attempting certification tests.
* Payment and Certification Flow:
  + Users can purchase certification tests (₹999 each).
  + Post-payment, they gain access to tests and receive certificates upon passing.

| **Challenges** | **Solutions** |
| --- | --- |
| Designing responsive multi-page forms | Used CSS Grid and Flexbox with media queries |
| Implementing live timers for tests | Built custom JavaScript timer logic with clear intervals |
| Auto-grading of coding questions | Created sample solutions and string comparison logic for simple auto-grading |
| Managing user navigation between multiple test pages | Used local storage/session storage to maintain state across pages |
| Payment system simulation | Designed mock payment pages that mimic real payment flow |
| Result & Certificate Generation | Developed result pages based on score calculations and included downloadable certificates |

### **Complete File Structure (developed so far)**

* index.html — Homepage
* login.html / signup.html — Authentication pages
* prepare.html — Preparation videos, tips & practice
* frontend-certify.html — Frontend Certification Test Page
* db-certify.html — Database Certification Test Page
* intro-ai-certify.html — AI Certification Test Page
* ml-python-certify.html — Machine Learning Certification Test Page
* payment.html — Payment Page
* result.html — Test Results Page
* profile.html — User Profile Page
* certificate.html — Certification Download Page
* style.css — Master Stylesheet
* script.js — Master JS logic for form flow, test navigation, grading, timers.

**Figma Link: https://www.figma.com/design/LNru1ySrvWMeXKlklzW1X6/Hackerrank-Jobs?node-id=0-1&t=QOns6JYbanaS4l1X-1**