Our project, **AI-Powered Skill Match**, is an innovative solution designed to bridge the gap between job seekers and employers. The platform leverages AI to intelligently match job seekers' skills, qualifications, and experiences with employers' job requirements. It aims to enhance the job search process by ensuring that both parties find the most suitable matches, leading to more efficient hiring and better job satisfaction.

**Key Features:**

* **Profile Creation:** Job seekers can create detailed profiles that highlight their skills, roles, and achievements.
* **AI-Powered Matching:** The platform uses AI to analyse job seekers' profiles and match them with employers' requirements, providing a percentage match score.
* **Custom Questionnaires:** AI generates a 5-question questionnaire based on the job seeker's role and skills, which is used to assess their suitability for specific roles.
* **Interview Scheduling:** If a job seeker matches an employer's criteria, the platform can automatically set up an online interview.
* **Employer Dashboard:** Employers can view and manage matched candidates, set up interviews, and track applicants' geolocation, new applicants, and upcoming interviews.

**2. URL to a Functional Demo App**

<https://2fb5-105-161-108-82.ngrok-free.app/knight/> click proceed to view

**3. Target Application**

The AI-Powered Skill Match application targets two primary user groups:

* **Job Seekers:** Individuals looking for job opportunities that align with their skills and qualifications.
* **Employers:** Companies and organizations seeking to hire candidates that best match their job requirements.

**4. Supporting Documentation**

Include any additional documentation that supports your submission, such as:

* **User Guide:** Live Instructions on how to use the platform for both job seekers and employers.
* **Technical Documentation:**

The application is built using modern web development technologies to ensure scalability, responsiveness, and performance.

* **Frontend:**
  + **React.js:** For building dynamic and interactive user interfaces.
  + **HTML5/CSS3:** For structuring and styling the web pages.
  + **SASS:** For writing more manageable and reusable CSS.
  + **Bootstrap:** For responsive design and UI components.
* **Backend:**
  + **MySQL:** As the relational database for storing user profiles, skills, roles, and other application data.
  + **PHP:** For handling server-side authentication and session management
* **AI and Machine Learning:**
  + **Python (Flask):** For implementing AI algorithms and exposing them as RESTful APIs to the Node.js backend.
  + **Natural Language Processing (NLP):** For understanding and processing job descriptions and user profiles.
* **Authentication:**.
  + **PHP Sessions:** For maintaining user sessions across the application.