Team Name: Ancient Debuggers.
Project Title: Resume Selector.
Instructor/Mentor: Dr. Charu Sharma, Radhika Rao.
Project GitHub Repository URL:
https://github.com/debashish05/Resume-Selector

Members Details   **(with Roll Numbers)**
i) Annapoorani Anantharaman   (2021201017)
ii) Vishal Pawar   (2021201025)
iii) Debashish Roy   (2021201034)
iv) Jatin Gupta   (2021201048)
v) Subhra Chakravorty   (2021201078)

1. Stakeholders

a) **Job Applicant -** Job seeker who are looking for Jobs.
b) **Recruiter -** Recruiter who are willing to hire candidates for open vacancies.

2. Roles and Responsibilities of Stakeholders

Roles are as follows:

a) **Job Seeking Applicants Responsibilities:** Upload the resume in pdf format and can check the status of the application. For the status to change the applicant needs to wait for the Recruiter's action.

b) **Recruiters Responsibilities:** Check the resumes based on the keyword provided to the Database, update the status of the resume selected based on requirements.

3. Requirements in Detail

ID	Requirement Name	Description	Category	Owner
1.	Login Page	Recruiter login page and user login page. The username and password given are updated in the recruiter or user table in the database and on future logins, this username and password are checked.	Frontend	Admin
2	Uploading Resume	Users can upload resumes in pdf format and update the path of the file in the database. To upload Resume users need not necessarily login.	Frontend	Job applicant
3	Extraction of text from resume	The resumes added are changed to text format using. Text files are stored in the Database.	Backend	Admin
4	Job Applicants Resume List	Recruiter panel to see the list of all resumes.	Frontend	Recruiter
5	Interface to query Job Applications	Search bar where the recruiter will search resumes based on keywords entered.	Backend	Admin
6	Status bar for User	User Status Bar where they can see the status of their application (accepted or rejected or in review).	Frontend	Admin
7	Display Search Results	Interface for displaying search results of queries made by the recruiter.	Frontend	Admin
8	Final Shortlisting	Accept applications from the interface and remove applicants if they are selected.	Frontend	Recruiter
9	Contact us and Feedback	Interface to contact the admin of the website and provide feedback.	Frontend	Admin

4. Workflow

The workflow is as follows:
1. Job seeker will upload the resume in the portal. It is not necessary to login to apply for a job.
2. Every new application's records will be stored in the database.
3. Resume parser will parse the pdf and extract useful information from the pdf.
4. Based on the applications, the recruiter can search for the candidates based on query.
5. The recruiter can accept or reject an application.
6. If a user is accepted or rejected, user data is removed from the recruiter page, and the status of the application is updated to the user.

5. Technology Stack

1. **FrontEnd**
   a. HTML,CSS,Bootstrap - HTML is used for frontend development. For our Project it will be used to build the UI. CSS is used to beautify the webpage. Bootstrap is used to design some common components.
   b. Javascript : It is used to manipulate the frontend. It will help with dynamic manipulation of the front end based on the user actions.
2. **BackEnd**
   a. PHP (Hypertext Preprocessor): It is an open source scripting language. Mainly executed on the server side. Using php we will manipulate the information stored in the database.
   b. MySQL: It is a relational Database management system using which we will create a database where we will store all information.
   c. Python: Used to convert resumes in pdf format to texts and extract useful information like College, Email, Mobile Number, Skills, Designations, Degree, Disciplines and entire text format of PDF.