**Name of the project:** Integrated Job Application Portal

**Group Members:**

Shashwat Shah 60004220126 C2

Kruti Shah 60004210122 C2

Khushi Jobanputra 60004210147 C2

Manasvi Gupta 60004210235 C3

**Domain of Project:**

Machine leaning, Web scraping, Development, AI

**Problem Statement:**

In the competitive job and internship market, candidates face significant challenges when applying to multiple opportunities. The current process requires individuals to visit multiple job portals such as Internshala, Indeed, Naukri.com, Glassdoor, and LinkedIn, leading to a fragmented and time-consuming experience. Key issues include:

Time Consumption: Each job application can take anywhere from 5 to 15 minutes to complete. Repeating this process across various platforms is highly inefficient.

Lack of Integration: Candidates must manually search and apply on each portal, lacking a unified system to manage all applications.

Customization Challenge: Tailoring cover letters and resumes to match specific job requirements is cumbersome and often not feasible within limited time frames.

Limited Analytics: There is a lack of comprehensive analytics tools that provide insights into application statuses, success rates, and feedback.

User Experience: The overall user experience is suboptimal, with no centralized assistance or advanced features to simplify the job application process.

ATS Compatibility: Many applicants struggle with creating ATS-friendly resumes, reducing their chances of getting noticed by recruiters.

**Research Gap:**

Cross-Platform Aggregation: There is an absence of robust solutions that consolidate job listings from diverse portals into a single, searchable database.

Full Process Automation: Existing systems do not offer end-to-end automation for job applications, including form filling and document customization.

Enhanced Customization with AI: Limited research and implementation of AI-driven tools that can dynamically tailor cover letters and resumes based on job descriptions.

Comprehensive Analytics: A significant gap exists in providing users with detailed analytics and insights into their application processes and outcomes.

User-Centric Design: Current platforms do not focus enough on user-centric features such as ease of use, personalization, and interactive assistance.

Gamification in Job Applications: There is a lack of gamification strategies to enhance user engagement and motivation during the job application process.

**Objectives:**

The objectives of the project are:

Develop a Centralized Platform: Create a web and mobile application that aggregates job listings from multiple portals, allowing users to search and filter opportunities from a single interface.

Implement Application Automation: Design and develop automation tools that enable users to apply to multiple jobs with minimal manual intervention, streamlining the entire application process.

AI-Powered Customization: Integrate AI to assist users in creating and customizing cover letters and resumes tailored to specific job requirements.

Build a Detailed Analytics Dashboard: Provide users with an analytics dashboard that offers insights into their job applications, including tracking application status, success rates, and areas for improvement.

Incorporate ATS Integration: Ensure resumes are ATS-friendly by incorporating tools that help users format and optimize their resumes to pass through applicant tracking systems.

Enhance User Experience: Develop features such as a Google Chrome extension for easy access, a chatbot for user assistance, and gamification elements like a leaderboard to engage and motivate users.

**Unique Contribution:**

Unified Job Search Solution: Offering a platform that aggregates listings from multiple job portals, reducing the need for users to visit each site individually.

Seamless Application Process: Automating the application process, including form filling and document submission, to save users significant time and effort.

Advanced AI Support: Providing AI-driven tools for dynamically customizing application materials, increasing the chances of securing job interviews.

In-Depth Analytics: Offering a detailed analytics dashboard that helps users understand and improve their job application strategies.

ATS Compatibility Tools: Ensuring users can create resumes that meet ATS requirements, improving their visibility to recruiters.

Enhanced Engagement: Features like a Google Chrome extension, a chatbot for real-time assistance, and gamification through leaderboards to enhance user experience and keep them motivated.

Innovation in Job Applications: Introducing gamification elements to make the job application process more interactive and enjoyable, setting the platform apart from traditional job portals.

This project aims to transform the job and internship application process by providing an integrated, automated, and user-friendly platform that addresses existing inefficiencies and enhances the overall user experience.

**In – house/out – house project:**

It is an In-house project.