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AI-Powered

RESUME SCREENER

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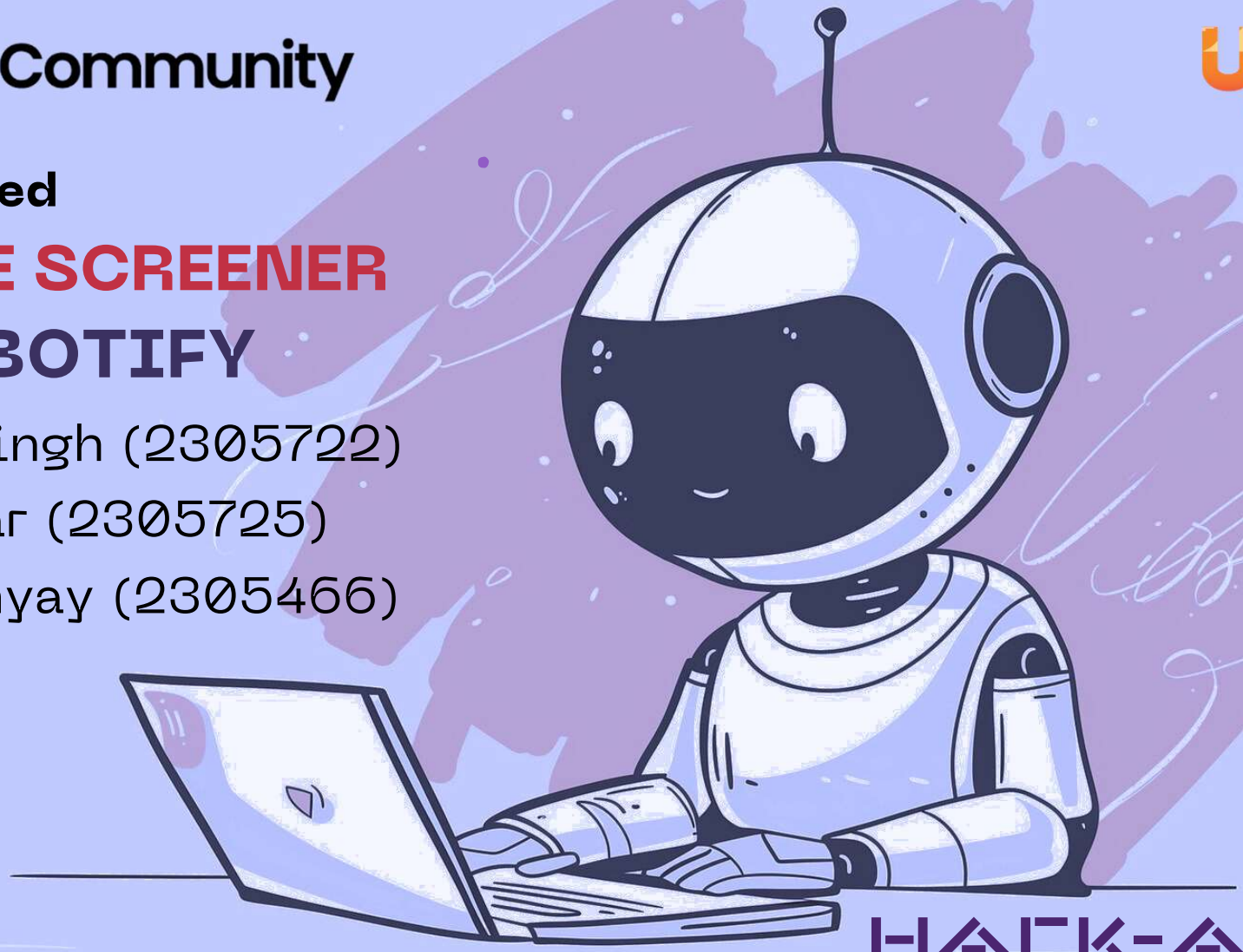

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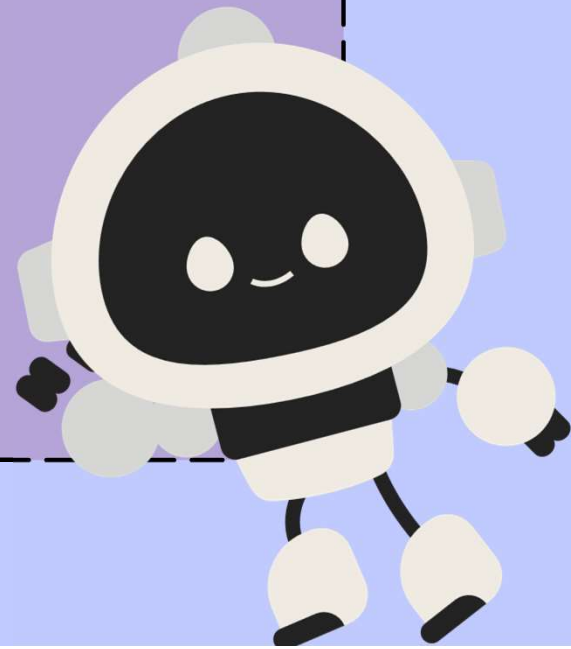

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Problem Statement and Objective

Problem: Student organizations or university career services receive numerous resumes for internships and job placements. Manually screening these resumes is tedious and time-consuming.

Objective: Create an automation that uses AI to screen and rank resumes based on predefined criteria such as skill, experience, and academic background.

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Methodology

1. **Email Setup**: Configure email filters in UiPath to automatically retrieve resumes as attachments.
2. **Resume Extraction**: Use UiPath workflows to extract and deserialize resume data from various file formats.
3. **Chat GPT Integration**: Send the extracted data to Chat GPT for intelligent analysis and scoring based on predefined criteria.
4. **Candidate Notifications**: Automate email notifications to inform shortlisted candidates and generate reports for HR review.
5. **Error Handling and Testing**: Implement robust error handling mechanisms and conduct thorough testing to ensure seamless workflow and performance.

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Technologies Used

1. UiPath Studio Web: Used for creating automation workflows to process resumes and handle emails.
2. Chat GPT API: Integrated for intelligent analysis and scoring of resumes based on specific criteria.
3. JSON: Employed for data interchange between UiPath and Chat GPT, ensuring smooth communication between systems.
4. Email Automation: Implemented to send automated responses to shortlisted candidates and notify HR.

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Result

The result of this project is a streamlined and efficient resume screening process, significantly reducing the manual effort required by HR teams. Resumes are automatically analyzed and scored by Chat GPT, and qualified candidates are notified via automated email. This improves decision-making speed, reduces human bias, and allows HR to focus on interviews and strategic tasks. Additionally, detailed reports are generated for HR review.

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Conclusion

This Resume Screening Automation project successfully automates the recruitment process, enhancing efficiency and reducing the time spent on manual resume screening. By leveraging UiPath Studio, it delivers intelligent resume analysis, objective scoring, and automated candidate notifications. This solution minimizes human bias, optimizes HR operations, and allows for more strategic focus on candidate interactions. Future enhancements, such as incorporating machine learning, will further improve its accuracy and adaptability. Ultimately, the project demonstrates the potential of AI in transforming HR processes.

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Future Scope

The future scope of this project includes integrating advanced machine learning algorithms to improve the accuracy and personalization of resume scoring. Expanding support for diverse file formats and languages will enable a more global reach. Adding features like real-time candidate feedback and interactive dashboards for HR will enhance user experience. Additionally, incorporating AI-powered bias detection and mitigation techniques can further promote fair hiring practices. Scaling the system to handle larger volumes of resumes will also make it suitable for enterprise-level recruitment.

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