AN INDUSTRY ORIENTED MINI PROJECT ON Al-Driven Inclusive Assessment Tools for Skill Ecosystem



INTERNAL GUIDE

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CONTENTS

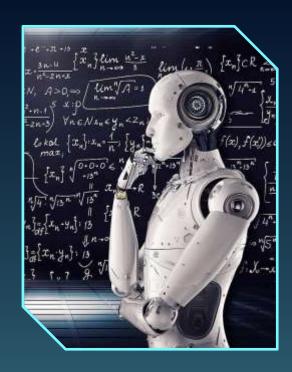
- 1. Abstract
- 2. Problem Statement
- 3. Existing System
- 4. Proposed System
- 5. Requirements
- 6. Modules
- 7. Architecture Diagram
- 8. Conclusion
- 9. References

ABSTRACT

Skill assessment faces challenges in accurately and equitably evaluating diverse individuals. Traditional methods often exhibit biases, lack accessibility, and fail to provide personalized feedback. Our project leverages Al algorithms to develop a more intelligent and inclusive skill assessment system. This system aims to provide accurate skill classification and support personalized learning pathways within skill ecosystems. It utilizes adaptive testing and potentially integrates with external AI APIs or libraries for enhanced evaluation to provide more accurate predictions.

PROBLEM STATEMENT

- Current skill assessment methods often perpetuate existing inequalities by failing to account for diverse backgrounds and learning styles.
- Many assessments are inaccessible to individuals with disabilities, limiting opportunities for a significant portion of the population.
- Traditional assessments often lack the ability to provide detailed and personalized feedback, hindering individual growth.
- There is a need for a more integrated approach for assessing and validating skills within dynamic skill ecosystems.



EXISTING SYSTEM

- Existing skill assessment systems often rely on standardized tests, which can be biased and limited in scope.
- These systems may not adequately capture the full range of an individual's skills and competencies.
- Current systems often lack accessibility features, creating barriers for individuals with disabilities.
- Many systems provide limited feedback to users, hindering their ability to identify areas for improvement.
- Is often a pattern-based approach.

PROPOSED SYSTEM

- Our Al-driven system provides a more inclusive and accurate approach to skill assessment.
- By using adaptive testing and potential integration with external AI services, the system will be trained and refined to ensure fairness.
- After testing, the system analyzes data using a multi-faceted analysis to provide a comprehensive assessment.
- The system provides detailed, personalized feedback to users, supporting their learning and development.
- Is a holistic and competency-based approach.

REQUIREMENTS

Hardware Requirements:

Processor: Intel Core i5

Hard Disk: 500 GB or above RAM: 8 GB or above

Software Requirements:

1 Operating System: Windows

Backend Framework: Node.js/Express.js

Programming Language:Python,JavaScript

Database: Mongo DB

Frontend Framework: React.js

6

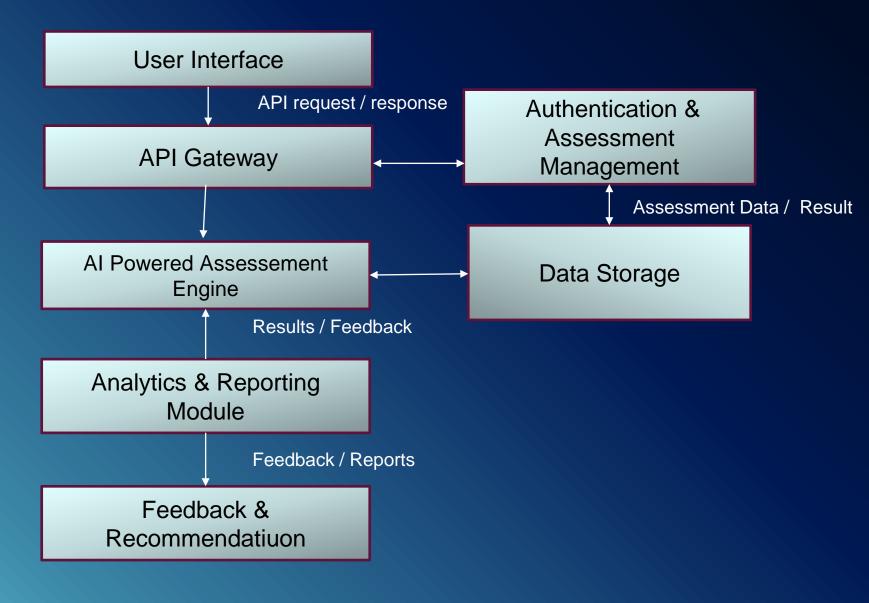
5

AI/ML Libraries:TensorFlow,Pytorch,Scikit-Learn

MODULES

- User Authentication
- Skill Assessment Interface
- AI-Powered Evaluation
- Personalized Feedback
 Generation
- Skill Ecosystem Integration
- Accessibility Features
- Bias Mitigation
- Data Storage and Management

ARCHITECTURE DIAGRAM



CONCLUSION

Our Al-driven inclusive assessment tools offer a significant improvement over traditional methods. By prioritizing inclusivity and leveraging the power of Al, we can create a more equitable and effective skill ecosystem. This system has the potential to empower individuals, organizations, and the workforce as a whole. It highlights the importance of building Al systems that are fair, accessible, and beneficial for all.

REFERENCES

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THANK YOU!