



Team Westeros  
Presents

AI Powered  
Automated Candidate  
Evaluator

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**Our Enthusiastic team consists of diligent members who put their effort, gave their best and learned valuable AI lessons throughout this journey 😊**



Somesh Bhawnani - Skechers USA Account

Ayush Mangal - Stellantis Account

Saurabh Awasthi - Ultimatix Account

Shivani Singh - Ultimatix Account

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# Problem Statement

## Defining the Challenge We Address

**Summary:** When a candidate applies for a job, the technical assessment questions must be generated based on the skills experience and role expectations. Generate relevant coding challenges for the candidates to solve. Based on the scoring, generate a report if the candidate is recommended/rejected and the rationale for the decision.

**Problem/Challenge being addressed:** Traditional technical assessment process is often based on the knowledge on the technical panel and sometimes confined only to the client expectations. The objective is to eliminate such bias and ensure that the assessment process is transparent.

### Data Requirements:

Candidate Skills, Job description, Skill based questions and response

### Expected Outcome:

Questions/Code challenges must be random relevant to skill, JD and experience levels

Generate assessment report highlighting strengths and weaknesses

Generate a report for recommendations/rejection including rationale



# Thought Process

## Analyzing the Problem and Approach

Our team engaged in **extensive brainstorming** sessions to dissect the problem, exploring various technologies and methodologies to ensure a robust solution that meets all requirements.

*#thinking like a customer*

Usability - Ease of use

Use Cases - Multiple Use cases covered

Team accomplishes more - Divided work to complete tasks quickly, efficiently

Collaboration, Training - Spent time at AI Lab, had multiple meetings

Working Product at the end of the demo ☺

# Overall Solution Design and Architecture



## Visualizing our innovative system's components

This architecture supports scalable and efficient AI solutions.

# AI Guardrails for Trust

## Ensuring Safety, Ethics, and Reliability

Implementing robust guardrails is crucial for maintaining **trustworthy AI systems** that prioritize fairness, ethics, and reliability in decision-making processes.

### User Disclaimer

### Code Annotations



### Key Security

### PII Data masking

### Human in loop



### Context Awareness



# Future Innovations and Scalability



## Scalability

We will enhance performance with **cloud deployment** strategies.

## Feature Enhancements

Video recordings, Avatars, multiple modes - mobile, desktop, web etc.

## Adaptability

System to have its own knowledge base, dashboards, KPIs, Audits etc

# Thank You!



## Technology Stack

- **Framework:** Streamlit 1.29.0
- **AI/LLM:** DeepSeek Chat API via LangChain
- **Authentication:** SHA256 password hashing
- **Database:** JSON file storage
- **Voice:** Web Speech API (TTS), audio-recorder-streamlit (STT)
- **Styling:** Custom CSS with gradient backgrounds

## Complete Assessment

- Answer 5 questions (mix of conceptual and coding)
- Use voice mode for audio questions/answers (optional)
- Get instant feedback after each answer
- 10 minutes per question timer

## Question Distribution

- **Question 1-2:** Conceptual/Theoretical
- **Question 3:** Coding Challenge
- **Question 4:** Conceptual/Theoretical
- **Question 5:** Coding Challenge

## ## 📊 Scoring System

Each question scored 0-20 points based on:

- **Conceptual Questions:** Accuracy, completeness, depth
- **Coding Questions:**
  - Correctness (8 pts)
  - Code Quality (4 pts)
  - Efficiency (4 pts)
  - Edge Cases (4 pts)

## ### Final Recommendation

- **80%+:** Strong Hire ✓
- **60-79%:** Recommended with upskilling 👍
- **40-59%:** Not Recommended⚠
- **<40%:** Not Recommended ✖