



# INVISOR

## Personal Interview Advisor

11/05/2024

The image shows a composite of two screens demonstrating the Invisor application. On the left, a laptop screen displays a 'Practice Interview With AI' interface with a question about software development challenges and a sample response. On the right, a mobile phone screen shows a similar interface with a timer at 01:50 / 02:00 and a microphone icon. The background features a desktop version of the Invisor website with its logo, a 'Start Now' button, and several service descriptions.

**Invisor**  
PERSONAL INTERVIEWER ADVISOR

Our team is here to support you in your job search journey. We offer a range of services to help you prepare for interviews, including practice sessions, personalized feedback, and career advice. Our mission is to make finding a job easier and more efficient for everyone.

**Start Now**

**Practice Interview With AI**

**Feedback**

simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries,

**Sample Response**

simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries,

**DIVERSE INTERVIEW QUESTIONS**  
Provide various interview questions for community and job interview scenarios, including technical, behavioral, and general knowledge questions.

**PERSONALIZED FEEDBACK**  
Offer innovative and personalized feedback to users based on their performance in practicing interview questions.

**CAREER EXPERIENCE CUSTOMIZATION**  
Give users the option to customize their experience including selecting the type of job they want to practice.

**REPETITIVE PRACTICE**  
Allow users to practice repeatedly with various interview scenarios, creating an environment where users can improve their skills over time.

Proposal By:

Nada Fadhlillah Balqis

Ray Ramadita

Reski Firmansyah

Silvia Nurrobianti



# OUR TEAM



**NADA FADHIILAH BALQIS**  
Engineer

I am interested becoming a software engineer "Software engineering inspirated me for building technology"

[Portofolio](#)

[linkedin.com/in/nadqz](#)

[github.com/nadqz](#)



**RAY RAMADITA**  
Engineer

From "Hello World" to "World Hero"

[Portfolio](#)

[linkedin/in/rayramadita](#)

[github.com/RayRama](#)



**SILVIA NURROBIANTI**  
Researcher

"I am inspired to pursue a career as a software researcher because it fuels my passion for technology development."

[visilanti.site](#)

[Linkedin](#)

[github.com/visilanti](#)



**RESKI FIRMANSYAH**  
Researcher

I am interested in Theology, Philosophy, and Technology "Be friends with good thoughts, find out what the Almighty's plans are. Hold on tightly to your dreams, don't give up just because of prejudice."

Portfolio

[linkedin.com/in/reski-firmansyah](#)

[github.com/ReskiF1](#)



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# **TOPIC AND MOTIVATION**

The application of artificial intelligence (AI) in guiding multilingual job interviews has become a significant topic in human resource development. In this context, it is important to understand how the principles of artificial intelligence can be applied wisely to enhance interview skills and expand global employment opportunities. This study will explore the potential use of AI in conducting job interviews by considering perspectives from the Quran and Hadith on education, communication, and job opportunities.

## **QURAN**

وَقُلْ أَعْمَلُوا فَسَيَرَى اللَّهُ عَمَلَكُمْ وَرَسُولُهُ،  
وَالْمُؤْمِنُونَ حِلْلَةٌ وَسَتَرَدُونَ إِلَى عِلْمِ الْغَيْبِ  
وَالشَّهَادَةِ فَيَنْبَئُكُمْ بِمَا كُنْتُمْ تَعْمَلُونَ ۖ ۱۰۵

Tell 'them, O Prophet', "Do as you will. Your deeds will be observed by Allah, His Messenger, and the believers. And you will be returned to the Knower of the seen and unseen, then He will inform you of what you used to do." (Quran, Surah At-Tawbah [9:105])

## **HADITH**

وَوَمَنْ سَلَكَ طَرِيقًا يَلْتَمِسُ فِيهِ عِلْمًا  
سَهَّلَ اللَّهُ لَهُ بِهِ طَرِيقًا إِلَى الْجَنَّةِ

The Prophet Muhammad (peace be upon him) said: "Whoever embarks on a path in search of knowledge, Allah will ease for him the path to Paradise." (Narrated by Muslim, no.

2699)

# TARGET USER GROUP



The target user group comprises job seekers from multicultural backgrounds due to their proficiency in multiple languages, alignment with the global job market's needs, and diverse educational and professional backgrounds. They require tailored coaching to navigate the complexities of multilingual job interviews effectively.

Target User Group	Characteristics	Needs and Challenges
<b>Job Seekers from Multicultural Backgrounds</b>	- Proficient in multiple languages  - Seeking job opportunities in multinational companies	- Lack of familiarity with interview nuances in different languages  - Need for personalized coaching to refine interview skills
	- Varied educational and professional backgrounds	- Desire for AI-powered feedback on interview performance

# **PROPOSED SOLUTION**



# PRODUCT BRANDING

## | Logo



a collection of the word "INVISOR" which forms like a tie. Show readiness to apply for jobs

## | Branding Name

# INVISOR

PERSONAL INTERVIEW ADVISOR

## | Colors



#682C0E



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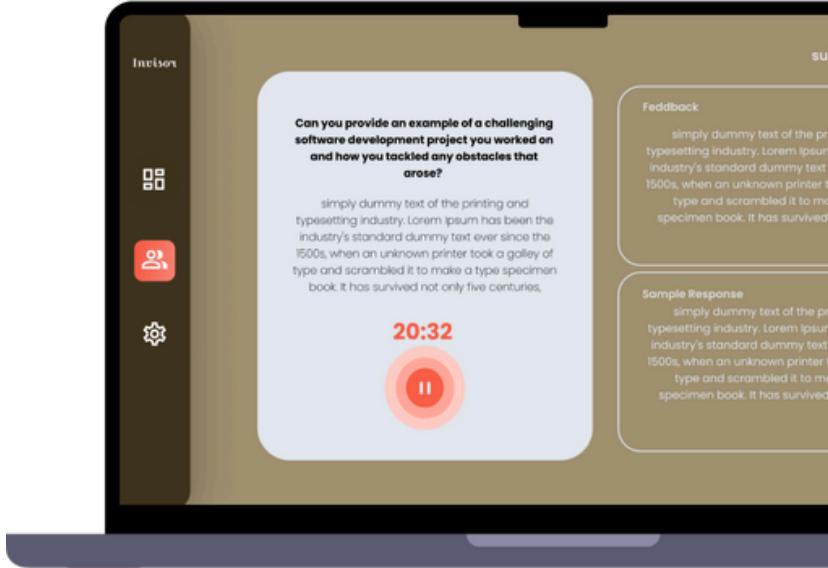


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**INVISOR** is a self-guided interview training application that enables users to develop their skills for interview preparation with the help of AI. The system uses Machine Learning technology to analyze users' behavior, responses, and facial expressions during interview simulations.



## OUR MAIN FEATURES



### Diverse Interview Questions

Provide various types of commonly asked job interview questions, including technical, behavioral, and general knowledge questions.



### Personalized Feedback

Offer immediate and personalized feedback to users based on their performance in answering interview questions.



### User Experience Customization

Give users the option to customize their experience, including selecting the types of questions they want to practice .



### Repetitive Practice

Allow users to practice repeatedly with various interview scenarios, enabling them to improve their skills over time.

# How this project relates to SDGs

## Quality Education

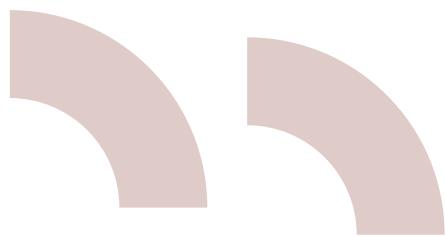
Our project fosters inclusive education by equipping learners with essential interview skills, enhancing employability, and promoting equitable opportunities in the workforce.

## Decent Work and Economic Growth

We support SDG 8 by empowering students with interview skills, fostering economic growth through enhanced employability, and advancing a more inclusive job market.

## Partnerships for The Goals

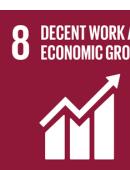
The project emphasizes global collaboration for sustainable development, utilizing AI technology to create an innovative solution. Future partnerships with various organizations aim to enhance accessibility and benefit students globally.



The competitive job market of today presents a significant challenge for students seeking employment. The lack of interview experience and inadequate communication skills can be major hurdles, hindering their ability to secure their dream jobs and contribute meaningfully to society. This project directly addresses these issues, aligning with several Sustainable Development Goals (SDGs) established by the United Nations.



4 QUALITY EDUCATION



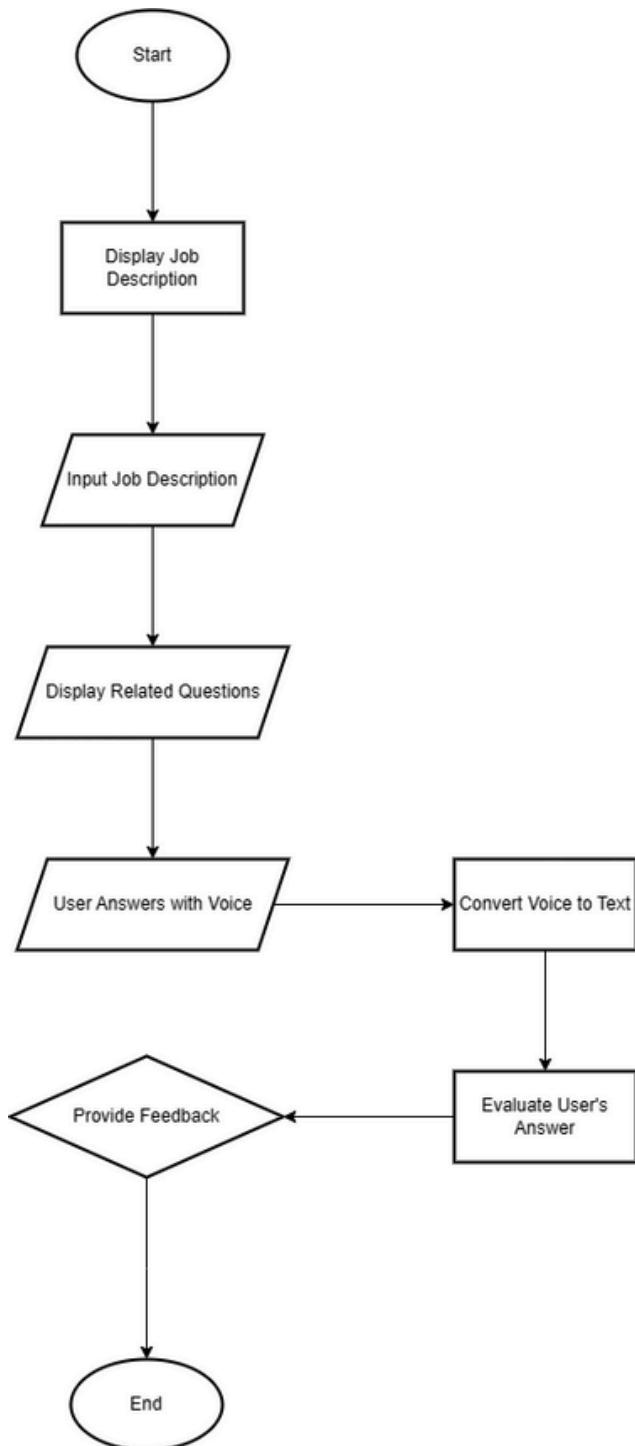
8 DECENT WORK AND ECONOMIC GROWTH



17 PARTNERSHIPS FOR THE GOALS

# APPLICATION FLOW CHART

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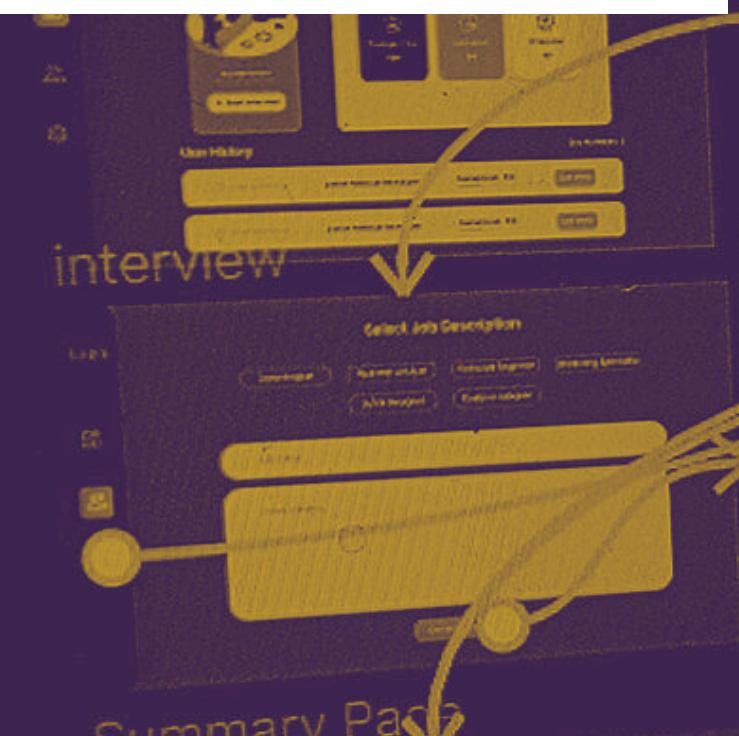


Team project

# APPLICATION

## DESIGN AND

## ILLUSTRATION



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# Mainpage

Discover the benefits of our services through our features content. From enhanced productivity to seamless collaboration, explore how our platform can elevate your experience.

Learn how to make the most of our services with our step-by-step tutorials. Whether you're a beginner or an expert, our guides ensure you succeed in your endeavors.

## Sign up & Login Form

# User Dashboard Playground



This feature provides access to user's personal information and settings, while the Playground provides an interactive environment where users can practice and run the application's functionality, particularly in the context of AI interviews.



# **RESEARCH QUESTIONS AND OBJECTIVES**



## RESEARCH QUESTIONS

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1. How can artificial intelligence (AI) be effectively utilized to guide multilingual job interviews?
2. What are the key principles of AI application that can enhance interview skills in the context of global employment opportunities?
3. What are the potential benefits and drawbacks of using AI in job interviews, particularly concerning fairness, bias, and inclusivity?
4. What are the potential challenges and limitations of implementing AI-guided multilingual job interviews, and how can they be addressed?

## OBJECTIVES

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1. Enhance the interviewee's preparedness to confidently tackle job interviews.
2. Refine communication skills to effectively convey ideas and responses during interviews.
3. Lay the groundwork for potential future advancements, such as the development of an HR clone.

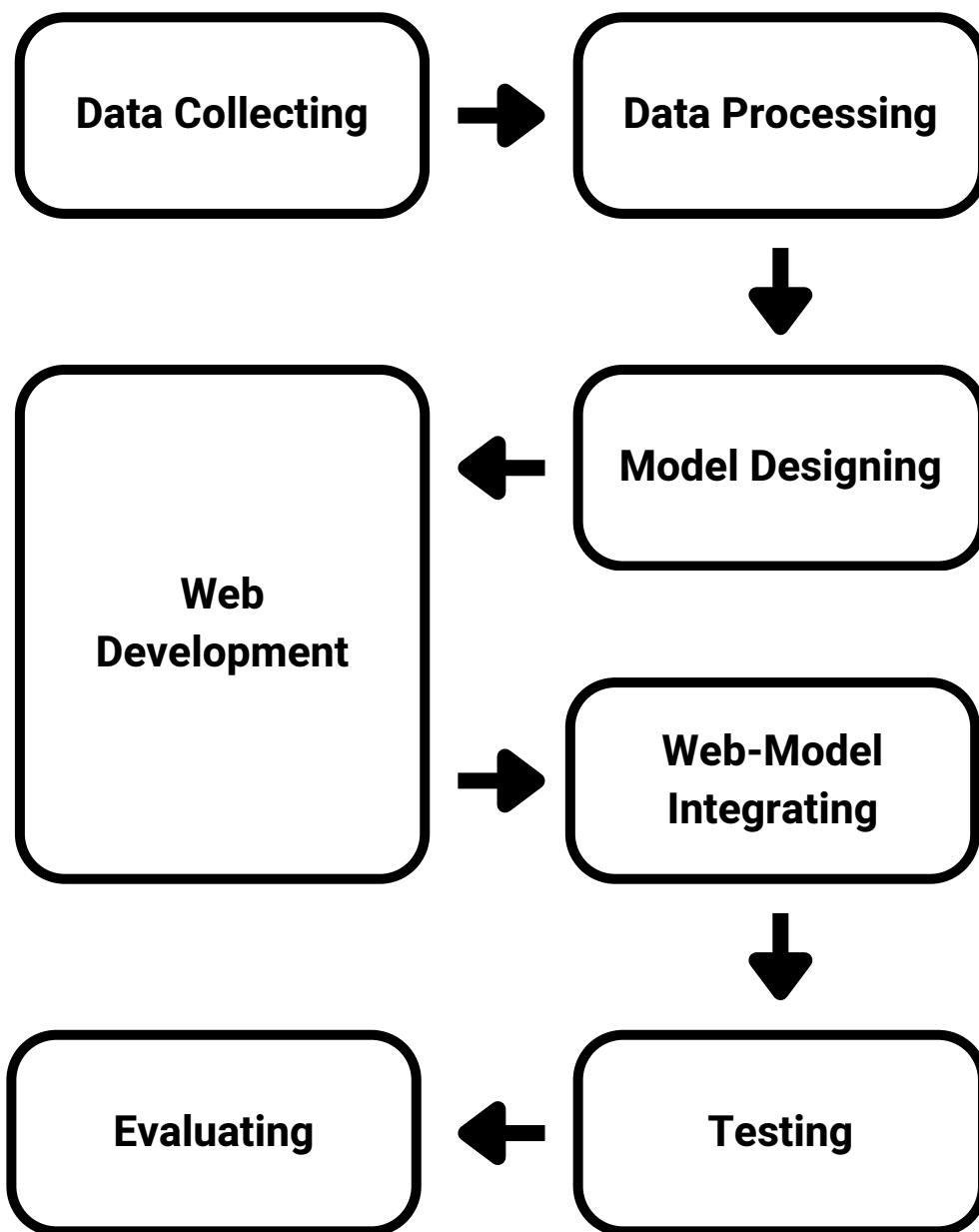
# **RESEARCH**

# **METHODOLOGY**



# **RESEARCH METHODOLOGY**

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The algorithm that will be used is Natural Language Processing (NLP) with a Transformer-based models approach which is able to analyze interview participants' answers and provide better feedback. The algorithm is also expected to be able to design effective interview questions.

# METHODS AND TECHNOLOGIES



Flask technology is used to create an API that can be accessed by users. This API will receive questions from users as input, run the Gemma model to generate answers, and provide those answers as output. Additionally, the API also provides feedback to the user in the form of suggestions for next steps. Flask allows developers to easily create and run Python web applications, which is ideal for creating the backend of such an application.



The Gemma model that will be used in this project is a text generation model that has been fine-tuned to support the Indonesian language (English Originally). Gemma will be used to produce answers to questions posed by users. Fine-tuning is done using Indonesian language datasets to enhance the model's ability to understand and generate text in Indonesian.



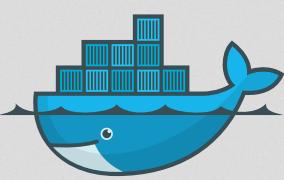
Langchain is used to chain text and provide context from previous questions to answer the current question. This allows the model to consider broader context when generating answers, which can improve the quality and relevance of the answers.



Tailwind CSS is a CSS framework used to design the layout and frontend appearance of the web application. It allows developers to easily create responsive and visually appealing layouts without writing a lot of custom CSS code.



Next.js is a JavaScript framework used to build responsive and interactive user interfaces (UIs). In this context, Next.js may be used to build the frontend of the application, which will interact with the Flask backend through the created API. With Next.js, developers can efficiently build dynamic UIs using React.js.



Docker is a containerization technology that will be used to deploy this project to server and serve it to the internet.

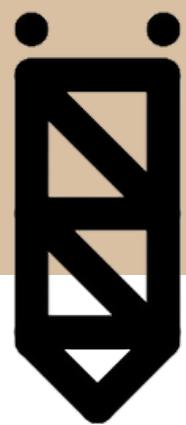


# TIME TABLES

TASK / PROCESS	April W1	W2	Mei W3	W4	W5	W6	Juni W7	W8	W9
Preparing Project			29 APRIL - 06 MEI						
Dataset of Sign Language			01 - 07 MEI						
Model of Text to Speech				06 - 18 MEI					
Model for Generated Question					20 - 25 MEI				
Implementation						20 MEI - 08 JUNI			
Testing							09 - 15 JUNI		
Maintenance								17 - 22 JUNI	

## **REFERENCES**

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**STAY  
TUNED**