

# INSPIRE COACH

INSPIRING GROWTH ONE TASK AT A TIME



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# TEAM MEMBERS

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# INTRODUCTION & PROBLEM STATEMENT

Many job seekers struggle with breaking tasks into manageable steps, leading to low productivity. Additionally, accessibility challenges limit opportunities for disabled individuals. Our AI-powered app helps solve these issues by providing personalized task breakdowns, reminders, and accessibility features.





# PROJECT GOALS & OBJECTIVES

Our app is designed to enhance productivity and accessibility through AI-driven solutions.

## Key Features & Goals:

- AI-powered Task Breakdown – Helps users break complex tasks into smaller, manageable steps for better productivity.
- Smart Reminders – Uses AI to analyze user behavior and send personalized reminders to stay on track.
- Accessibility Features – Provides Voice-to-Text, Sign Language Interpretation, and Text Simplification to ensure inclusivity for all users.

These features aim to make job searching and career growth easier, more structured, and accessible for everyone.



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# SOLUTION OVERVIEW

Our app enhances task management and accessibility with AI features.

## How It Works

**Task Breakdown:** AI provides step-by-step suggestions for large tasks.

**Smart Reminders:** AI monitors behavior and sends timely notifications.

## Accessibility Tools:

Voice-to-Text & Text-to-Speech for visually impaired users.

Sign Language Interpretation for deaf users.

Simplified Text Summaries for neurodivergent users.

A user-friendly dashboard helps job seekers and coaches track progress and gain AI insights. Visuals include flow diagrams of user interactions with key features.



# TECHNOLOGY STACK

- Frontend: React.js
- NodeJs , Express
- Database: Azure SQL Database
- AI Services: Azure OpenAI, Azure Speech Services, Azure Video Indexer
- Other Tools: Azure Notification Hub, Azure Blob Storage



Azure OpenAI



# ARCHITECTURE DESIGN

- Frontend (React): Manages user interface and interactions.
- API Endpoints(expressJs): Links frontend to backend.
- Backend (NodeJs): Processes logic, manages AI features, and handles requests.
- Database (Azure SQL): Stores user data, tasks, and progress.
- AI Services (Azure Open AI): Improves accessibility and productivity (Speech-to-Text, AI Reminders, Task Breakdown).
- Canva



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# **DEMO WALKTHROUGH**



# CHALLENGE AND SOLUTION

## Access to Azure AI Services

Initially, we faced difficulties obtaining an Azure subscription, which delayed access to AI services like OpenAI, Speech-to-Text, and Video Indexer.

We explored alternative cloud platforms but eventually secured the necessary Azure subscription through proper registration and verification, allowing us to integrate the required AI features.

## Integrating AI with Our App

Connecting Azure AI services (OpenAI, Speech Services, etc.) with our frontend and backend required careful API handling, data flow management, and latency optimization.

We implemented a structured API layer to handle AI requests efficiently, optimized data exchanges, and used Azure Functions for better scalability and responsiveness.





## KEY LEARNINGS & FUTURE IMPROVEMENTS



### ◆ Key Learnings:

- Integrated Azure AI services efficiently.
- Improved teamwork and collaboration.

### ◆ Future Improvements:

- Enhance personalization for smart reminders.
- Add multi-language support for better accessibility.



In summary, our app leverages AI to enhance productivity, accessibility, and user experience through smart task breakdowns, reminders, and assistive features. This project has been a valuable learning experience in AI integration and teamwork.

We appreciate the support from our mentors, teammates, and organizers. Thank you for your time and consideration!

Links to the repository -

<https://github.com/Elizabethcodes44/inspire-coach-backend> and  
<https://github.com/Elizabethcodes44/inspire-coach>



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**THANK YOU**