

# My AI Friend

Your Companion in the  
Digital World  
Project

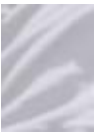
Presented by SunII J - EA2332251010436



**Problem Statement:** Many people face loneliness and feel isolated, especially during tough times. Technology can offer a solution.

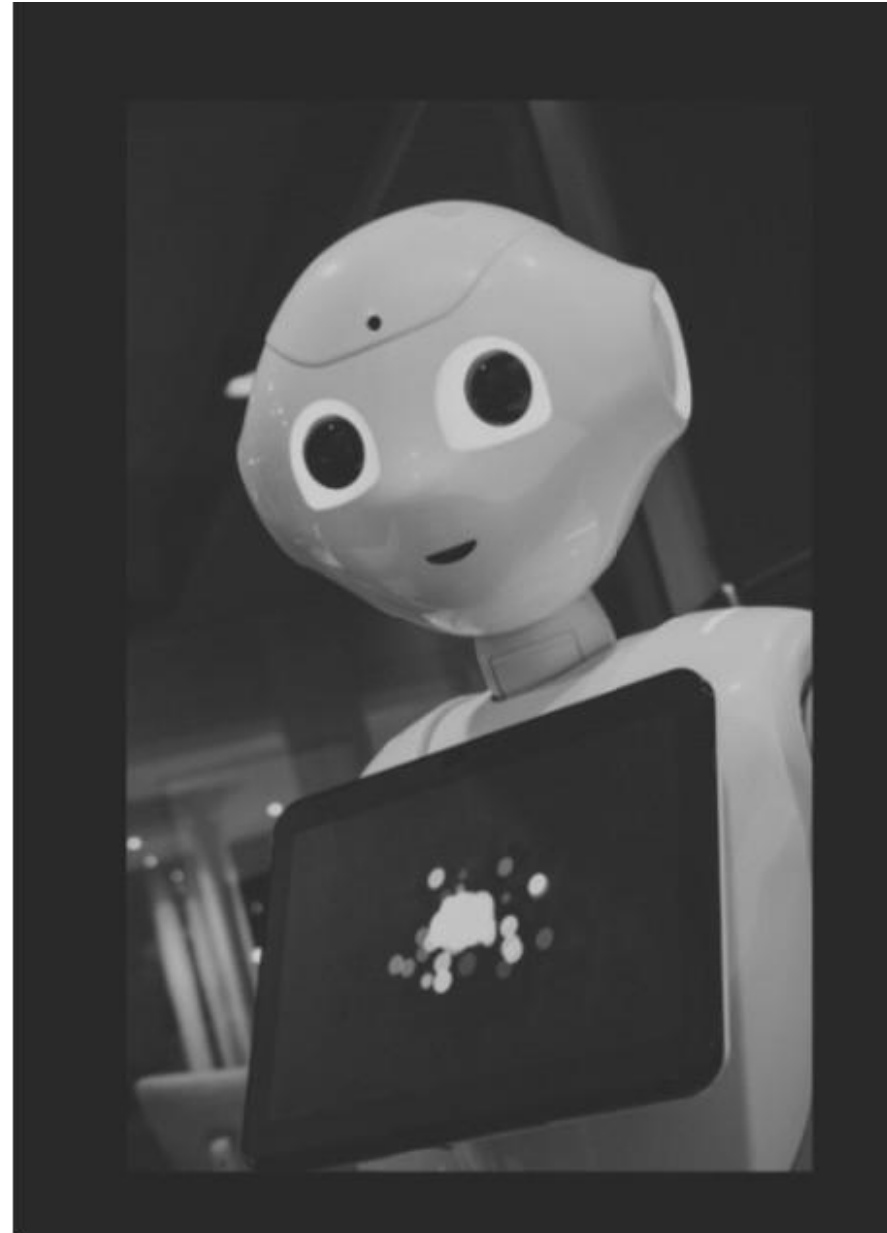
**Solution:** "My AI Friend" - an AI-based chatbot that provides emotional support and companionship when users are feeling alone.

# Introduction



# Project Overview

Our chatbot is programmed to understand and respond to your emotions. It can detect your mood based on your messages and adjust its responses accordingly. It also remembers our past conversations, so it can provide more personalized interactions. This makes the chatbot more engaging and relatable, creating a more meaningful experience for you.

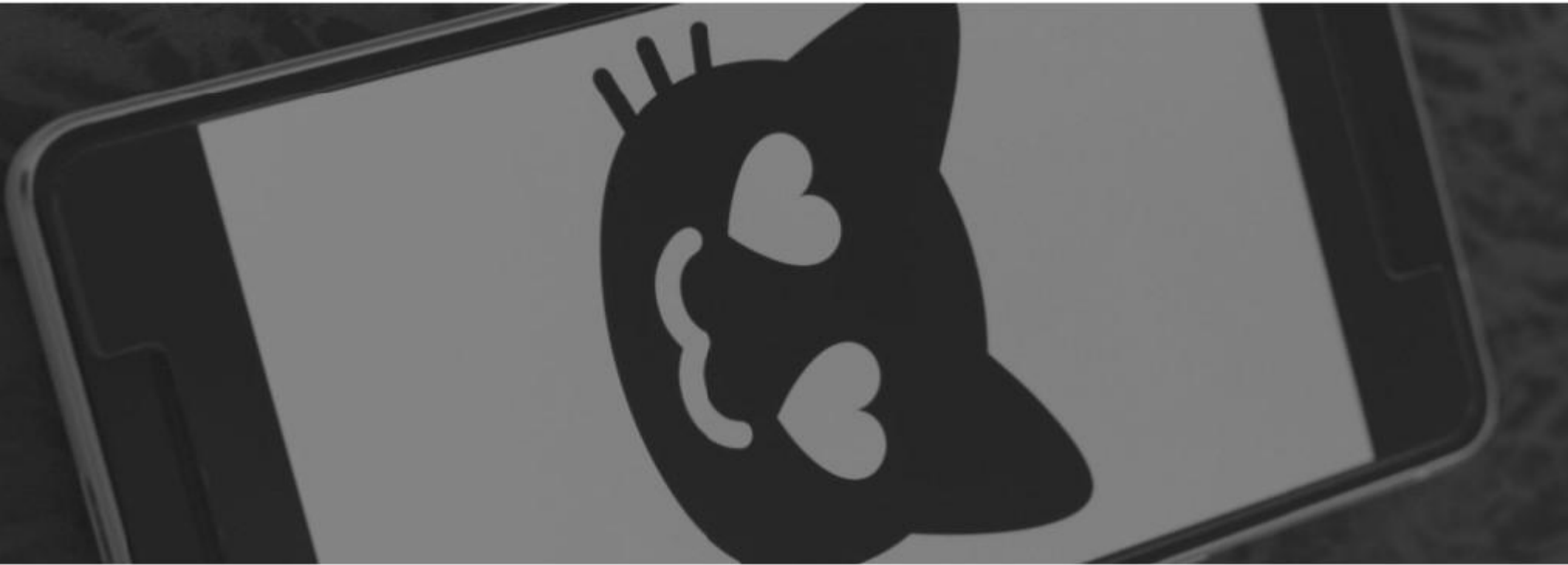


# Features and Modules

**Chat Functionality:** Users can start conversations with the chatbot, and it will respond in a friendly, caring manner.

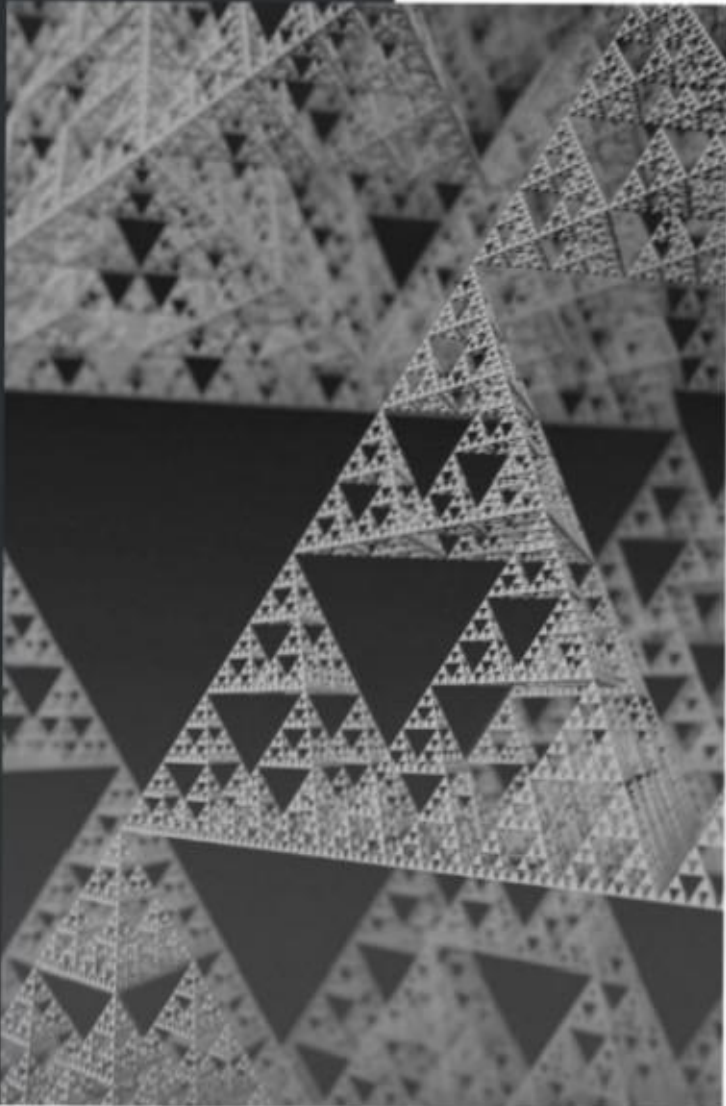
**Activity Suggestions:** Based on mood detection, the bot suggests activities like breathing exercises, music, etc.

**Customization:** Users can personalize responses to match their preferences for communication style.



# Minimum System Requirements

Component	Minimum Requirement
Device	Any device with a modern web browser (PC, Laptop, Tablet, Smartphone)
Operating System	Windows 10+, macOS 10.13+, Android 9+, iOS 12+
Browser	Google Chrome (v90+), Mozilla Firefox (v85+), Safari, or Microsoft Edge
RAM	2 GB or higher
Internet	Stable internet connection (1 Mbps or higher)
Screen Resolution	Minimum 1024 × 768 pixels



- Frontend:  
Built using React. Hosted on Netlify
- Backend:  
Developed using Node j s.
- Machine Learning:  
Uses AWS SageMaker models
- Database:  
SQLite/MySQL for storing user data.
- Deployment:  
Hosted on Firebase or Google Cloud platform (GCP).

# System Architecture

The architecture is designed to prioritize user interaction flow, ensuring smooth communication between users and the chatbot, and managing backend tasks efficiently.

## Chatbot architecture



# User Interaction Flow



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## Welcome to Your AI Friend

Choose a personality for your AI companion to start a conversation



### **Friendly Companion**

Warm, supportive, and  
always there to listen.



### **Wise Mentor**

Thoughtful, insightful,  
with wisdom to share.



### **Creative Spirit**

Imaginative, inspiring,  
and full of ideas.




### **Analytical Mind**


Logical, precise, and  
helps you solve  
problems.


Continue with selection

Skip for now

 Friendly Companion

 Wise Mentor

 Creative Spirit

 Analytical Mind



Welcome to Your AI Friend

Hello! I'm so happy to meet you. How are you feeling today?

Type your message...



y  
,!



# Future Enhancements

**Voice Integration :** By incorporating speech recognition technology into our platform, users will be able to navigate through conversations more efficiently. Whether it's dictating messages or conducting voice searches, our system will seamlessly integrate with various audio devices for a hands-free experience.

**Emotional Detection:** Our advanced sentiment analysis feature will help us better understand the emotions of our users during conversations. By analyzing tone, word choice and other factors, we can provide more personalized responses and support when needed. This will enable us to offer targeted assistance and guidance based on the emotional state of the user.

**Mental Health Resources:** In order to promote mental wellness and wellbeing our platform will partner with mental health support services to provide resources and access to professional help when necessary. Users will have the option to connect with therapists, counselors, or support groups directly through our platform for added convenience and privacy.



## Conclusion

"My AI Friend" is not just a chatbot; it's a companion designed to provide emotional support and alleviate loneliness.

**Thank You!**

