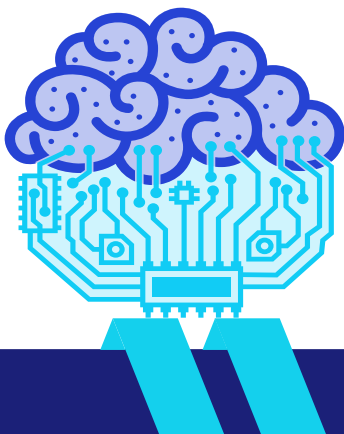AKENO TECH

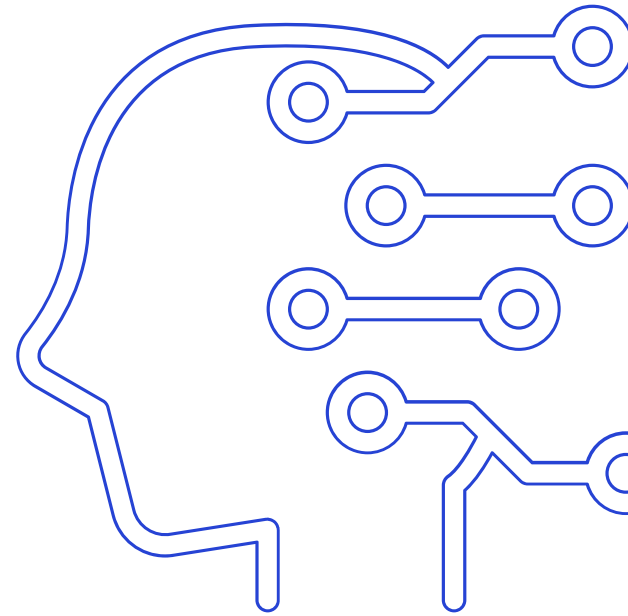# Project Showcase: Livekit Voice Agent – Dynamic Conversational AI
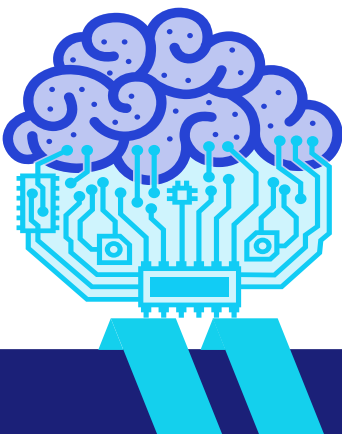
Project Showcase: Livekit Voice Agent – Dynamic Conversational AI
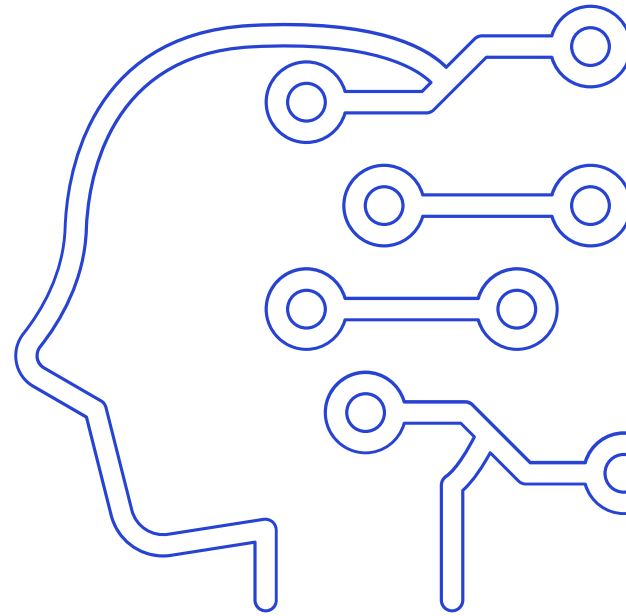
AKENO TECH

Project Summary

- Engineered a Livekit Voice Agent, a dynamic, real-time conversational AI system designed for complex, flow-based customer support.

- This is a robust, multi-voice solution that establishes a new standard for intelligent and flexible support infrastructure.

AKENO TECH

Code & Demo

- GitHub: https://github.com/gspec-1/voice-agent-livekit-affan
- Demo: https://voice-agent-livekit-affan.vercel.app/

Voice Assistant
Ready to help
Intent: Offline
● Offline

- **Session ID:** session_1759253919815_q9tm46
- **Status:** Ready to connect to Alive5 Support
- **Features:** Dynamic Intent Detection, Real-time Analytics

Connect to Voice Assistant
Select your bot and voice to start a conversation

Bot Name: e.g., voice-1, dustin-gpt, sales-bot
Enter the name of the bot you want to connect to

Org Name: e.g., alive5stage0, your-org-name
Leave empty to use default configuration

Agent Voice: Jacqueline - Reassuring Agent
Choose the voice for your AI assistant

Join Voice Chat
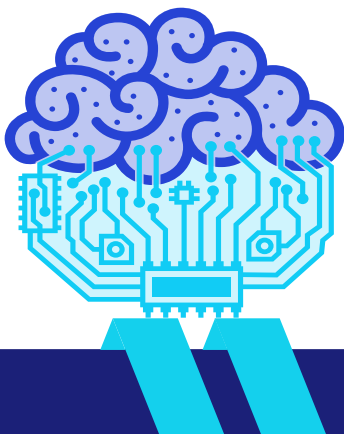
AKENO TECH

# Key Technical Achievements

• Dynamic Flow Architecture: JSON-driven conversational logic from external site (Alive5).

• Intelligent Intent Routing: Dynamic AI-powered intent detection and execution.

• Resilient Fallback Mechanism: Queries Alive5 FAQ bot (Bedrock API).

• High-Fidelity Communication: Livekit (RTC), Deepgram (STT), Cartesia (TTS).

• Structured Interface: Secure, modular bot flow setup.

AKENO TECH
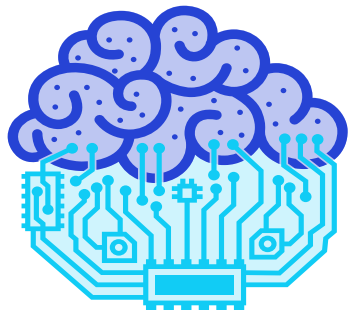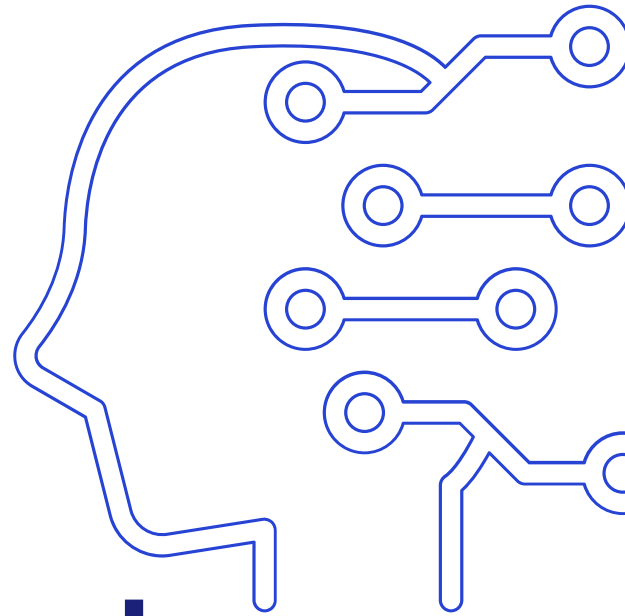
Skills Demonstrated

- Real-time Communication (RTC) development with Livekit.

- Integration of AI services: OpenAI, Deepgram, Cartesia, AWS Bedrock.

- Dynamic, configuration-driven application architectures.

- API development and complex data flow management.

AKENO TECH
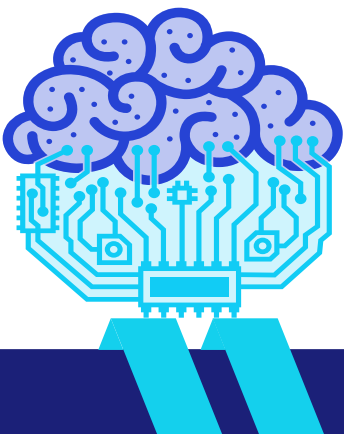
Conclusion

This project demonstrates expertise in delivering smart, engineered solutions for scalable, high-performance conversational AI.

customer-service
Connected
Intent: Detecting...

● Online

- Session ID: session_1759253919815_q9tm46
- Status: Ready to connect to Alive5 Support
- Features: Dynamic Intent Detection, Real-time Analytics

Connected to customer-service! I'm ready to help you.

Welcome to Alive5 Restaurant! Where every flavor tells a story. How can I help you?
2:20:32 PM

Jacqueline - Reassuring Agent

Ready to listen

🎙 Live Transcript

Listening...

Can I get the menu?