CAI-Bot
Smart organizational bot

Description

Organization specific chat-bot to support user queries, documentation summarization, receive authoring write-ups, etc. Use of secure LLM, with Retrieval Augmented Generation (RAG) for self-learning, training capabilities to mature outputs based on usage.

Support broad range of use cases at organizational, department, team, and for key roles. Automate and increase efficiencies for day-to-day and project tasks. Secured access based on roles and maintain organizational IP.

Enhanced Text Processing
Spell Check, Conversational Questioning, Complex Multi-Source Queries

Voice Interaction
Agent Voice

Data Ingestion
PDF, Relational DB Schema, CSV

Dynamic Prompt Management
On-the-fly Prompt Updates

Continuous Learning
Self-Learning (RL from Feedback), Vector Embedding Fine-tuning (from Feedback)

Contextual Control
Out-of-Context Data Source Management

Localization
Handles Different Languages

LLM Flexibility
Handles Multiple LLM Models

External Integration
Calendar Integration (Appointments), Chat with Other Bots

Visual Data Presentation
Graph/Chart Generation

Proactive Assistance
Follow-up Question Suggestions

Response Validation
Validity Evaluation

User Feedback Mechanism
Thumbs Up/Down Feedback

Responsible AI
Implementing Guardrails

LangChain-Powered RAG

- Local Vector Storage
- Langchain-Powered RAG
- Similarity Search