HashPal Labs : Empowering Business Intelligence with privacy focused AI Agents

Presented by Hashpal Labs (OPC) Private Limited

We develop privacy-focused tools with no trackers or ads. Our services include free security consultations, certified cybersecurity training, API integrations, and code auditing to protect your business data.

The Challenge

Data Overload

Businesses face data from Salesforce, ERP, HRMS, and more.

Insight Gap

Extracting actionable insights from abundant data is difficult.

Operational Inefficiencies

Manual data analysis is slow and error-prone.

Introducing the AI Business Agent

What It Is

Digital assistant powered by GPT-4 and advanced LLMs.

Capabilities

Understands natural language, connects to business tools, provides real-time insights.

Benefits

Improves decisions, automates tasks, learns continuously 24/7.

Core Capabilities

Seamless Integration

Connects with Salesforce, ERP, HRMS systems.

Real-Time Analysis

Processes and summarizes data instantly.

Automated Reporting

Generates reports, forecasts, and alerts automatically.

User-Friendly Interface

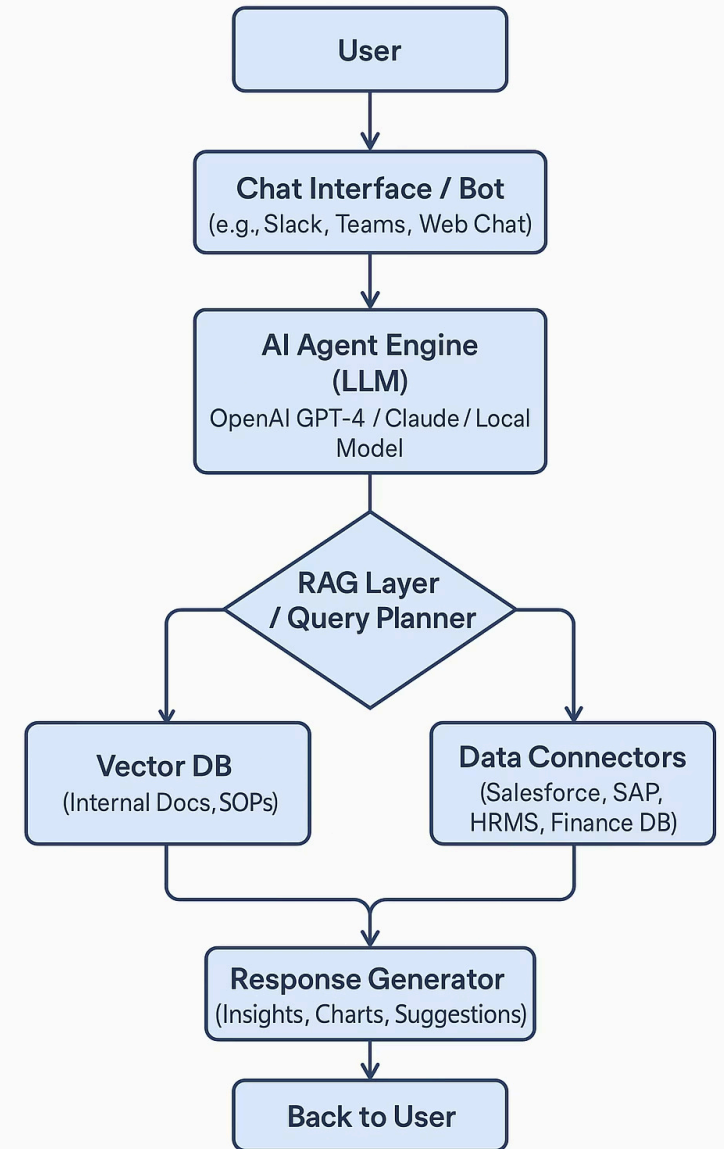Accessible via chat or voice commands.

Real-World Use Cases

- Sales: Identify last month's top-performing products.

- Finance: Generate Q3 cash flow forecasts.

- HR: Show attrition trends by department.

- Operations: Alert on low inventory levels.

Architecture Overview

User interacts via chat or voice, AI engine processes queries, accesses data sources, and returns insights.

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┌─────────────────────┐
│        User         │
└─────────────────────┘
           │
           ▼
┌─────────────────────────────┐
│     Chat Interface / Bot    │
│  (e.g., Slack, Teams, Web   │
│           Chat)             │
└─────────────────────────────┘
           │
           ▼
┌─────────────────────────────┐
│      AI Agent Engine        │
│           (LLM)             │
│  OpenAI GPT-4 / Claude /    │
│        Local Model          │
└─────────────────────────────┘
           │
           ▼
      ◇ RAG Layer ◇
      / Query Planner
      ╱           ╲
     ▼             ▼
┌──────────────┐  ┌──────────────────┐
│  Vector DB   │  │ Data Connectors  │
│ (Internal    │  │ (Salesforce, SAP,│
│  Docs, SOPs) │  │  HRMS, Finance   │
│              │  │       DB)        │
└──────────────┘  └──────────────────┘
          ╲           ╱
           ▼         ▼
┌─────────────────────────────┐
│     Response Generator      │
│ (Insights, Charts,          │
│  Suggestions)               │
└─────────────────────────────┘
           │
           ▼
┌─────────────────────┐
│    Back to User     │
└─────────────────────┘
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Tech Stack

LLMs

OpenAI GPT, Claude, Mistral, LLaMA

Orchestration

LangChain, Haystack

Databases

FAISS, Pinecone

APIs

Salesforce, SAP, Workday

Privacy and Security

- ## Role-Based Access
  Users access only relevant data.

- ## Data Masking
  Protects sensitive information.

- ## End-to-End Encryption
  Secures data in transit and at rest.

- ## Logging & Auditing
  Maintains compliance and monitoring records.

Roadmap / Next Steps

1 Pilot Program
Test in one department to measure impact.
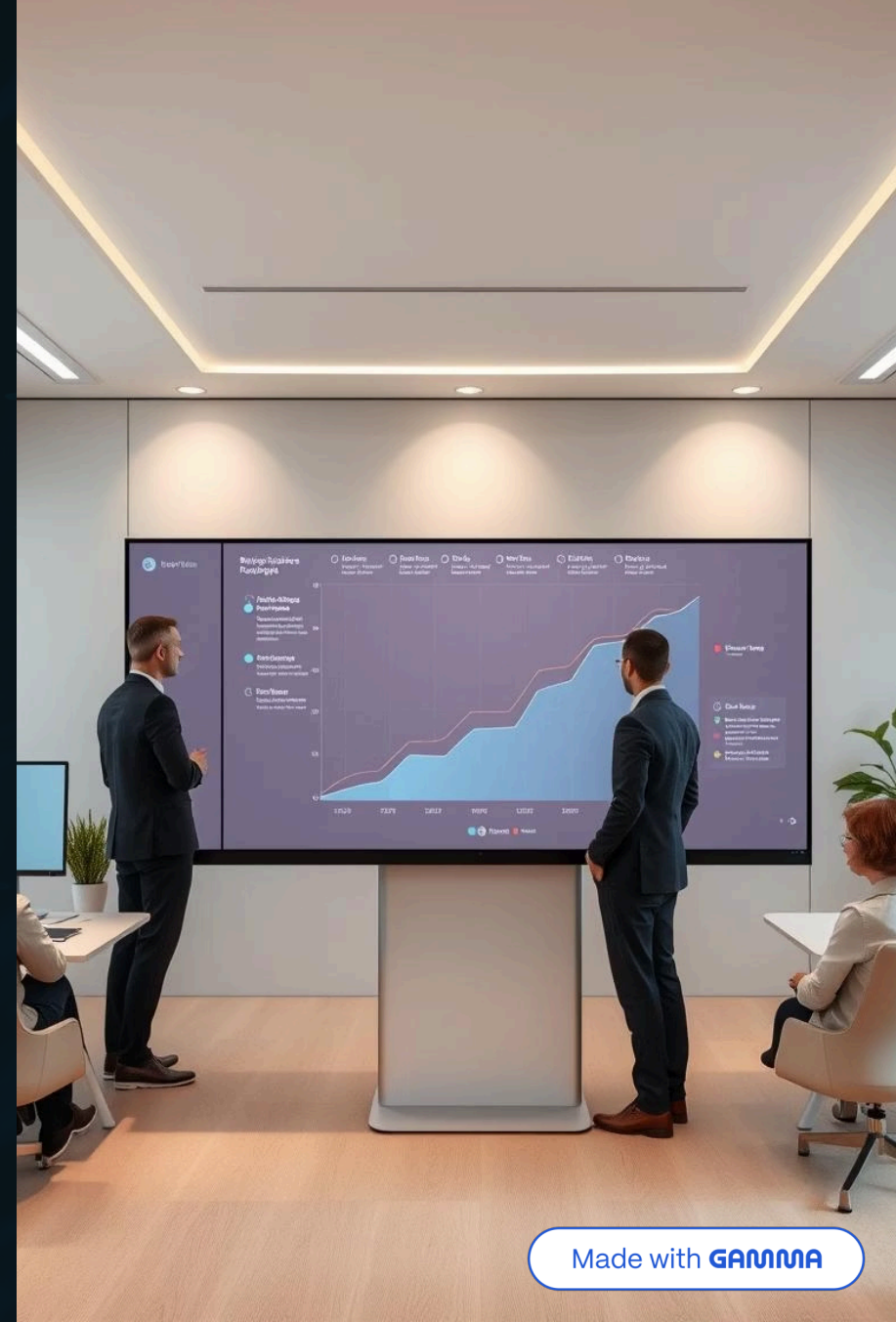
2 Expand Integrations
Connect more data sources.

3 Voice Integration
Enable voice command features.

4 Continuous Learning
Use feedback to improve AI agent.

Thank You / Q&A

Contact us at https://hashpallabs.com/

Feel free to reach out for further discussions or clarifications.