

CHAT BOT DEVELOPED USING LANGCHAIN

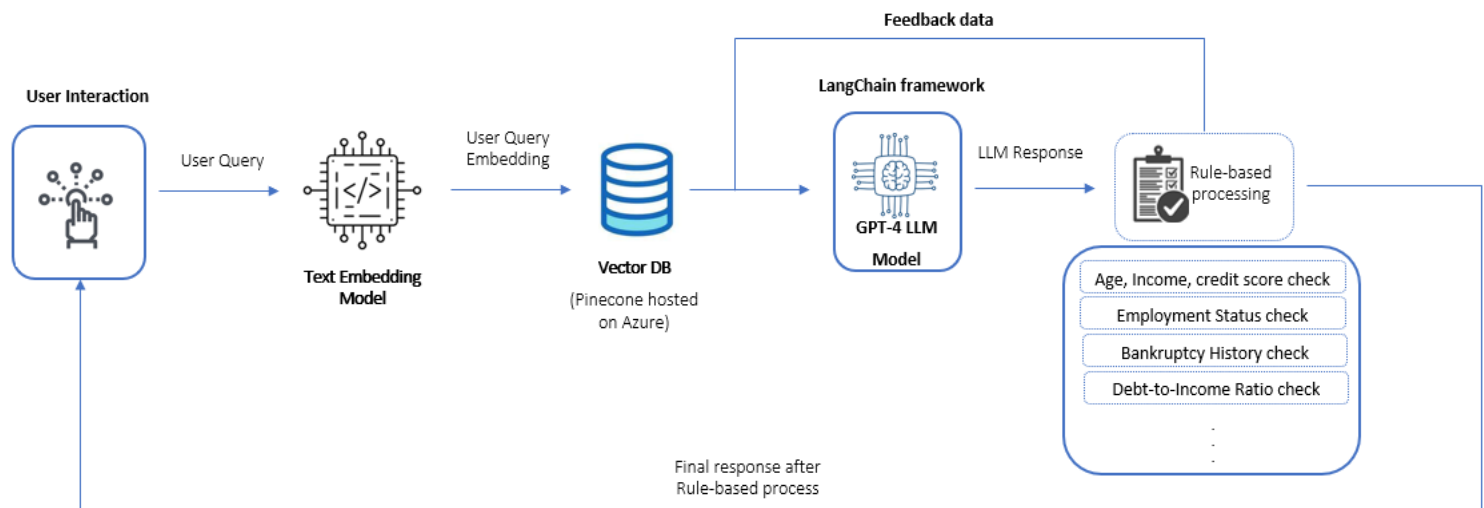
MAY 2024

Request and Guidelines Provided

- Client: Commercial Bank
- To expedite the process of loan application eligibility check, which involves multi-stage human involvement
- A chatbot is introduced to enhance the customer experience by providing real-time status updates, loan eligibility validation, and accurate and timely responses following predefined rules and guidelines consistently

Methodology and Final Deliverable

- Chatbot UI is provided in the Web application which allows the users to submit queries with little relevant information which is used for validation
 - The user-submitted queries are embedded using the Text embedding model for retrieving the relevant response
 - The user query embeddings are then submitted to Vector Database(Pinecone) which is hosted on Azure
 - Further it is processed to GPT-4 LLM model to generate the response according to the prompts submitted
 - The output is then validated against the Rule-based check mechanism based on different companies and the result is passed to the User
 - Once the response is sent to the end-user we have the Feedback mechanism from the user which helps us to fine-tune the LLMs and result in the most accurate information



Enabling our clients to achieve resource optimization through leveraging an offshore capacity model

Our Highlights



Worked with
1,000+ Clients



From Emerging to
Established Firms



Servicing Clients
in 80+ Countries



Across Industries
and Asset Classes



Client-Integrated
Operating Strategy

Why Partner With Us



HR Solution

- Flexible Staffing Model
- Dedicated Tiered Team Support



Quality

- Industry-Leading Talent
- Multiple Layers of Quality Checks



Operating Leverage

- Centralized Resource Pool
- Integration across Value Chain



Cost Efficiencies

- Lower Indirect Costs
- Meaningful Direct Cost Savings

What We Do

Private Equity and Portfolio Companies

- Data Sourcing and Engineering
 - Capturing Data from Portfolio Companies
 - Creating Data Pipeline Enabling Automated Data Flows
- Reporting and Automation
 - Dashboard and Reports for Performance of Portfolio Companies
 - Fund Summary Reports for Investors
 - Process Optimization and Automation

Capital Markets

- Data Sourcing and Engineering
 - Capturing and Processing Disparate Datatypes from Multiple Data Sources
 - Data Sanitization, Curation, and Data Pipeline Creation
 - Creating Databases, Data Lakes, and Data Warehouses & Ingesting using ETL/ELT Jobs
- Data Analytics, Reporting, and Automation
 - Customized Analytics
 - Key Indicators, Thresholds, Alerts, and Controls
 - Robotic Process Automation

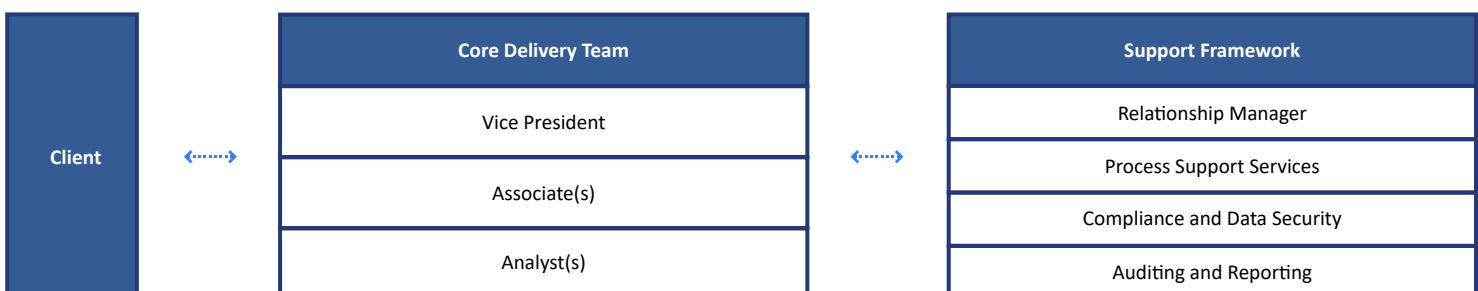
Corporates

- Data Sourcing, Design, Architecture, and Storage
 - Capturing, Sanitizing, and Ingesting Disparate Datatypes from Multiple Data Sources using Data Model and Data Flow Diagrams
 - Creating and Maintaining Databases, Data Lakes, Data Warehouses, and Data Marts
- Data Analytics, Reporting, Governance, and Automation
 - Customized Analytics and OLAP Processing
 - Key Indicators, Thresholds, Alerts, Controls, and Data Governance
 - Robotic Process Automation and Artificial Intelligence

Data Vendors

- Data Sanitization and Enrichment
 - Creating Rules and Alerts
 - Enrichment of Data using Fuzzy Logic
- Data Reporting, Automation, and Governance
 - Dashboard and Reports for Performance of Portfolio Companies
 - Master/Meta Data Management, Data Lineage, and Access Controls

How We Do It





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