Accusaga

Introduction

- Accusaga-AI leverages generative AI to synthesize primary research data and insights presentations, making research findings easily accessible while preserving enterprise knowledge.
- The platform supports structured storage, processing, and retrieval of primary research data, ensuring seamless access to insights.
- It enables users to upload, store, and analyze research data and presentations in PowerPoint and PDF formats.
- The system is designed with a highly intuitive user interface, allowing effortless data ingestion and query execution.
- AI-powered summarization extracts key insights from research documents, making information more digestible.
- Users can generate dynamic charts, visual reports, and presentations based on AI-analyzed research data.
- The application integrates natural language querying, enabling users to interact with data conversationally.
- Advanced vector-based search and retrieval mechanisms ensure accurate and efficient access to relevant insights.
- Supports real-time data processing, allowing continuous updates and refinement of stored research materials.
- Ensures enterprise-grade security and compliance, protecting sensitive research data while maintaining accessibility.

Application Flow

- User Authentication & Role Based Access Control
  To SignUp or Sign In into the application
- User Dashboard
  After login user and view their uploaded documents, query and generate insights according to their roles
- Document Upload
  To upload different types of documents(JSON, CSV, PDF, Excel Sheets etc.)
- Query
  To query the pinecone vector DB using chat-GPT
- Resource Generation
  On the basis of query results, users can generate charts etc.

Tech Stack

Technology	Version	Description
Angular	19.0	For front-end & UI Development
Python(django)	3.11(5.1.2)	For development of APIs and other backend services
PostgreSQL	17.0	For storing user & organisation related data and document references
Pinecone	5.4.2	For storing the embeddings of extracted text from documents