



# LUMI FIN

## AI-Powered Financial Document Analysis Tool

TRANSFORMING FINANCIAL  
INSIGHTS WITH GENERATIVE AI

# PROBLEM STATEMENT

1

## Time-Consuming Analysis

Reviewing large volumes of financial documents like reports, invoices, and statements is tedious and inefficient

2

## Lack of Personalized Insights

Generic financial insights fail to address specific user needs, hindering decision-making

3

## Fraud Risks

- Undetected anomalies in bank statements, invoices, and reports
- Manipulated financial data leads to financial losses and erodes trust.

# Solutions

1

## AI-Powered Chatbot

An AI-driven chatbot that interacts with company financial reports (annual and quarterly)

2

## Smart Navigation

Seamless terminal-based navigation across companies and reports

3

## Fraud Detection

Identify anomalies in bank statements, invoices, and financial reports.

4

## Source Transparency

Index and reference document sections for every answer.

5

## Data Visualization

Graphical trends and cross-year comparisons for quick analysis

6

## Export & Sharing

Share insights as reports or integrate with financial tools

7

## Decision Support

AI-driven recommendations for informed decision-making

# Technology Overview

## Infrastructure

AWS/GCP for scalability and for vector databases we will use VectorDB (Pinecone/Weaviate) and GPU

## Generative AI

Using GPT-4o for natural language understanding

## GraphRAG

Advanced retrieval for better document context and relevance

## AI Features

Named entity recognition for company-specific details.

Advanced sentiment and trend analysis

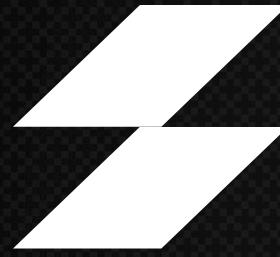
## Tools

LangChain for conversational capabilities

## Tech Stack

**Backend:** Python (FastAPI/Flask)

**Frontend:** React.js/Next.js



# Innovation

## MVP Features

- Terminal-based navigation for company and report selection.
- Chatbot for report interaction, analysis, and decision support.
- Source indexing with document visualization for trust and transparency.
- Data comparison, trend visualization, and exportable insights.

Financial data of all companies accessible in one platform

Combining financial analysis with Generative AI for seamless interaction

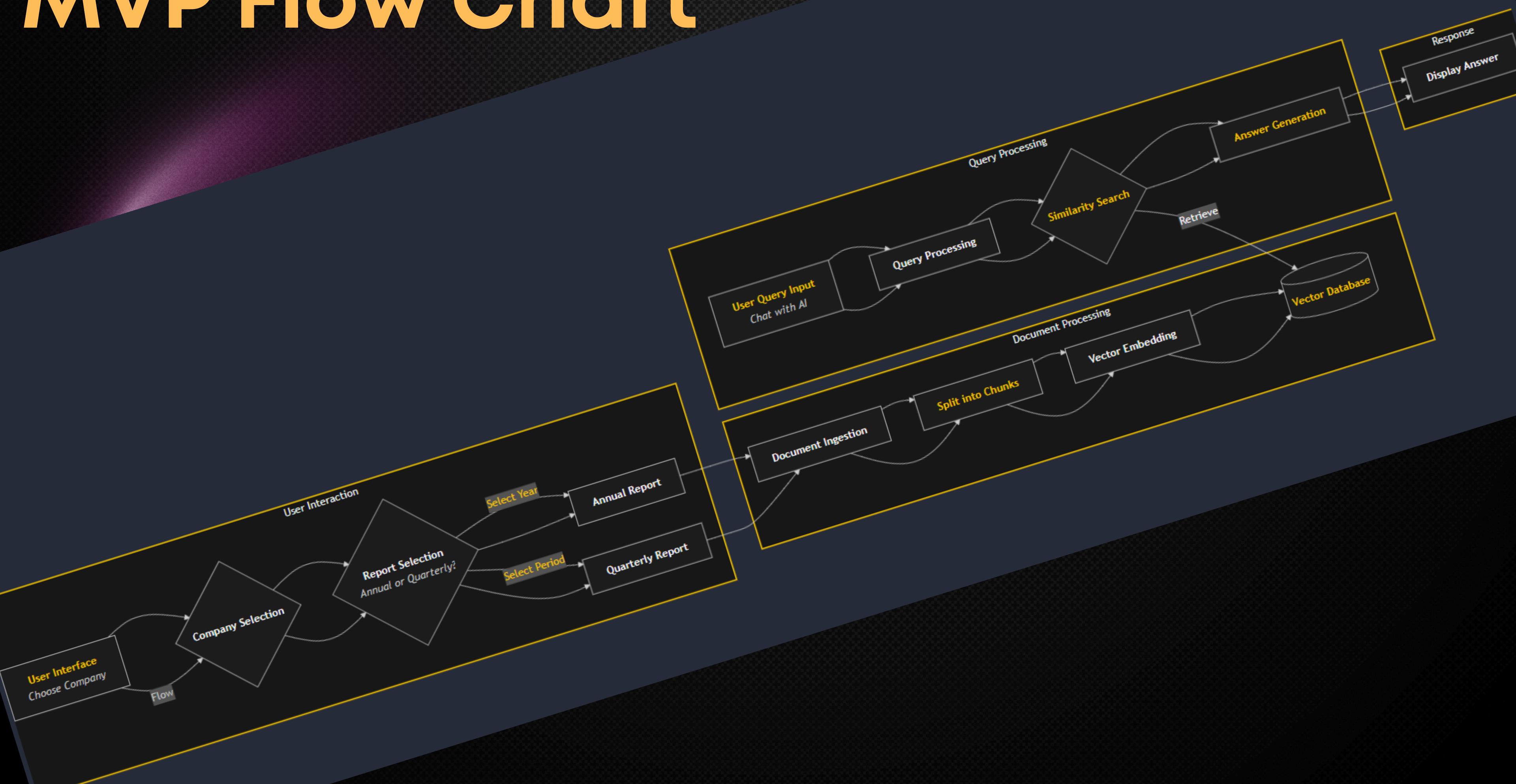
Innovative data interpretation through a conversational interface.

Innovative data interpretation through a conversational interface.

Automated extraction of key metrics and trends.

Personalized financial strategy suggestions

# MVP Flow Chart





## For Businesses

Enhanced productivity in financial analysis.  
Quicker decision-making supported by reliable insights

# Potential Impact

Benefits for our customers?

## For Individuals



### Optimized Workflow

Automates financial analysis, fraud detection, and report navigation.



### Informed Decision-Making

Provides actionable insights and personalized recommendations



### Fraud Prevention

Detects anomalies in bank statements, invoices, and financial reports



### Transparency

Links insights to document sources for trust and accountability

# Competitive Advantage



# Feasibility and Scalability

1

Proven tools and models like GPT-4o and GraphRAG that are SOTA models

2

Expandable to include more industries and document types around 1400+ financial documents

3

Modular approach to integrate with existing enterprise solutions

4

Scalable backend with modern cloud infrastructure

# Future Roadmap

**Build MVP,  
focus on  
financial  
reports**

**Add features  
like trend  
prediction and  
benchmarking**

**Expand to  
global markets  
and other  
industries**

**integrate with  
existing  
enterprise  
solutions**



# Size of the Market

The global document analysis market was valued at approximately \$2.24 billion in 2023, with projections reaching \$16.91 billion by 2028.

The fraud detection and prevention market was valued at \$25.67 billion in 2022, expected to reach \$90.07 billion by 2030.

## Total Available Market (TAM)

Considering competition and market reach, capturing a 1-5% share within the targeted SAM is a realistic goal, translating to substantial revenue potential.

## Serviceable Obtainable Market (SOM)

Focusing on the Asia-Pacific region, particularly the Banking, Financial Services, and Insurance (BFSI) sector, narrows the market to a significant subset of the global figures

## Serviceable Available Market (SAM)

# Thank You!