



CODECELL-CMPN,VESIT

SYRUS HACKATHON 2025

Category Code: C3

Problem Statement Title: SeedLings

Team Name: FireFlow

Institute Name: Vivekanand Education Society's Institute of Technology



Idea / Approach details (& implemented features)

Approach:

- **Investment Matchmaking platform** powered by UPTIQ AI
- Startups can register, upload pitch decks, and submit financial documents, which **Uptiq AI will analyze to generate automated financial reports and risk scores**
- Investors will undergo validation, ensuring credibility through **AI-driven trust scoring**
- The platform enables **AI-driven matching**, helping investors find high-potential startups. To prevent fraud, investors will stake funds before closing deals.

Implemented Features:

- Investors Trust score Agent
- Debt Equity Optimization Agent
- Dynamic Credibility Scores for startups



Innovation (Showstopper)

- **AI-Driven Credibility and Trust Scoring**
- **Intelligent Startup-Investor Matchmaking**
- **Our agent :**
 - 1. Debt-Equity Optimization**
 - 2. Loan Assessment Tools**

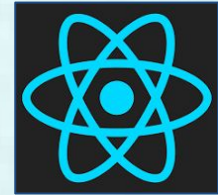


Tech Stack

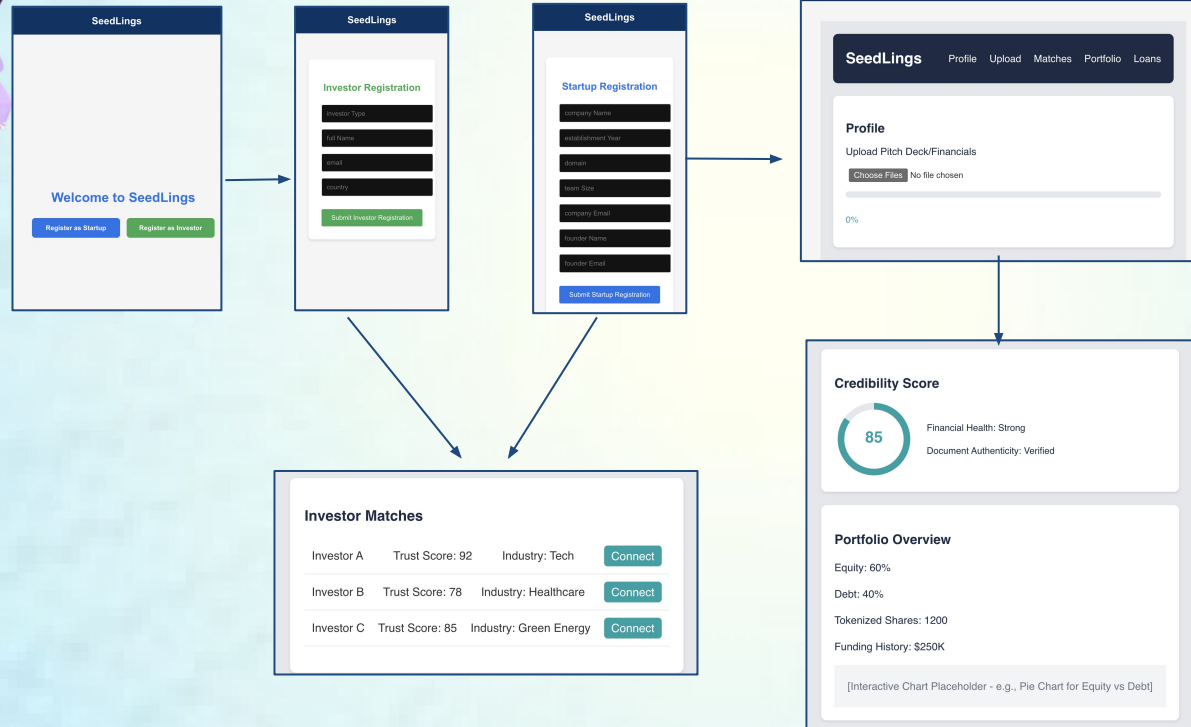
→ **FrontEnd** : React.js , tailwind css

→ **Backend** : firebase

→ **Tools**: Uptiq AI



Implementation/Prototype/Use Case Diagram (screenshots)



In case of Uptiq category - Your Uptiq Agent (explain in detail)

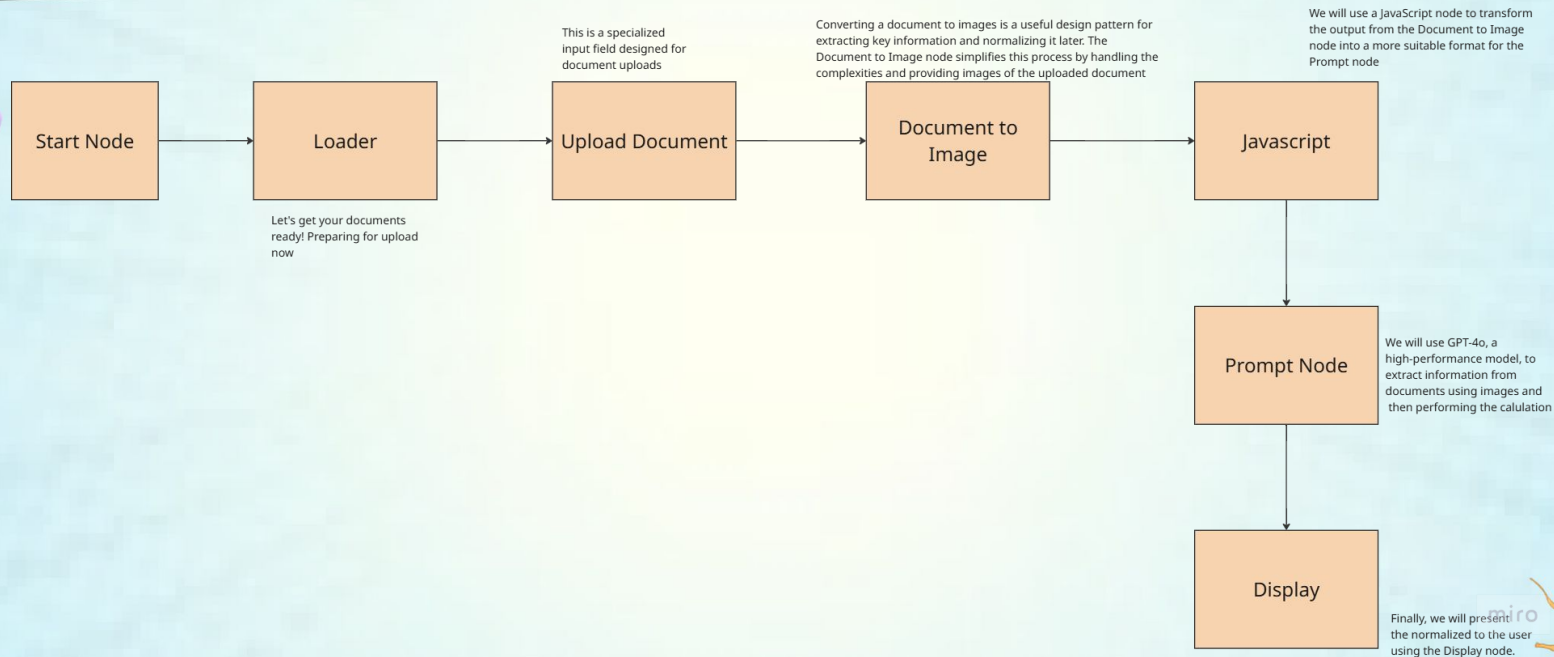
AI agent with following intents

1. Risk Assessment
2. Credibility Score calculation
3. Investor Trust Scoring
4. Debt Equity Optimization

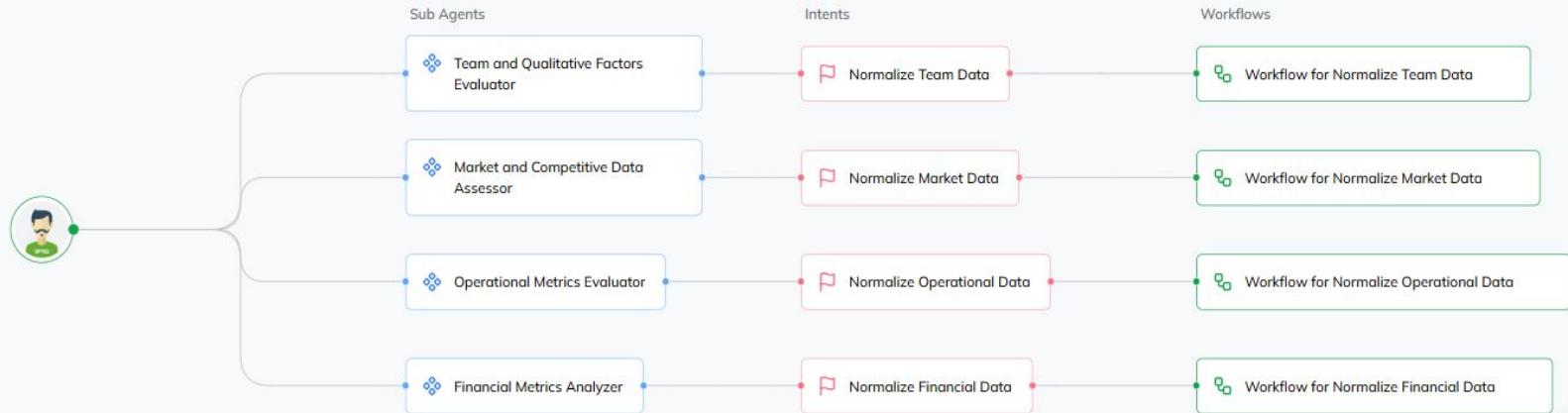
The reports for all these will be stored in Uptiq Tables and will be fetched from it



Dynamic Credibility Score Calculation AI Agent



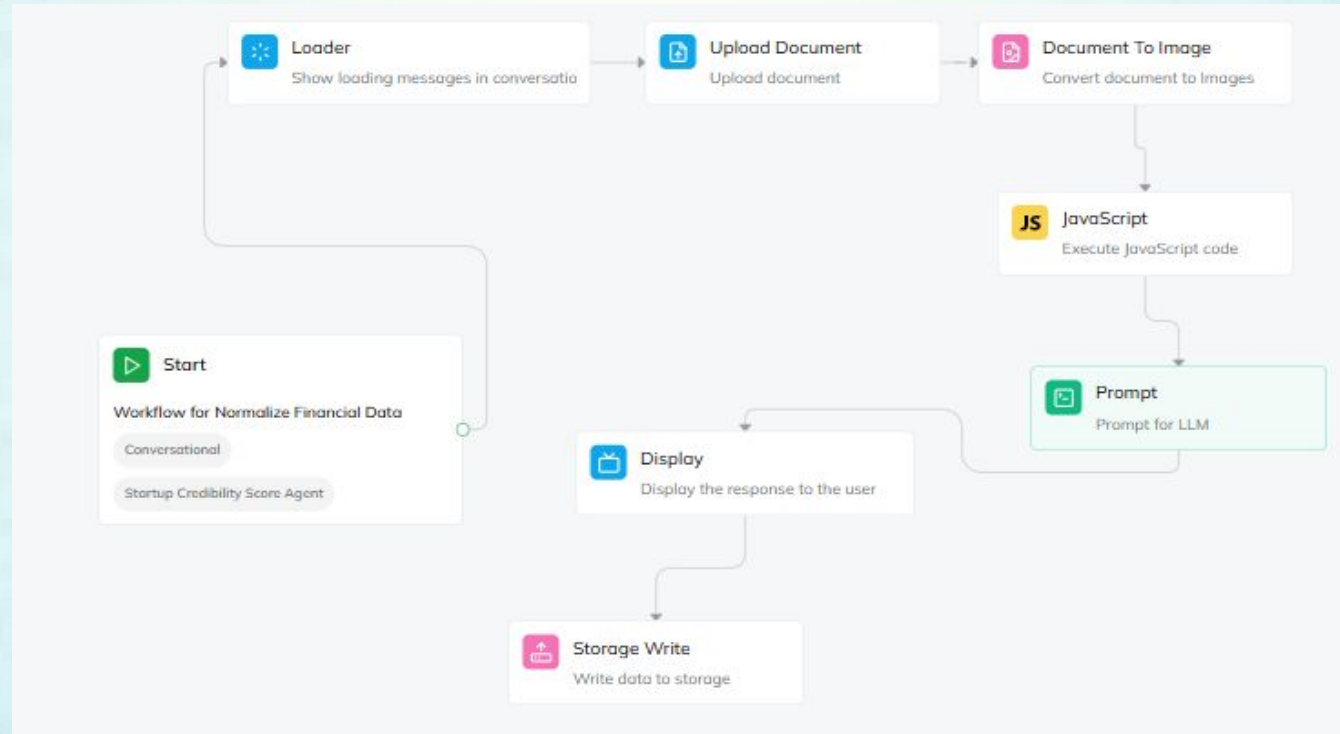
Dynamic Credibility Score Calculation AI Agent Uptiq SS



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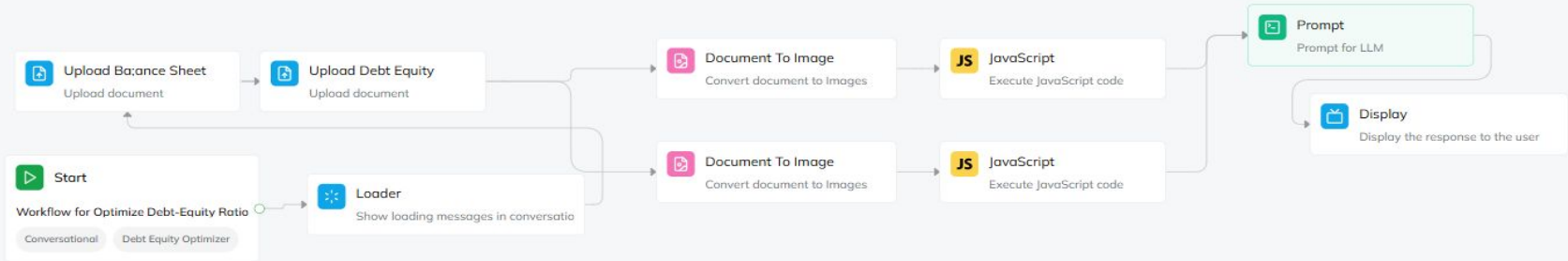


Dynamic Credibility Score Calculation AI Agent Uptiq SS



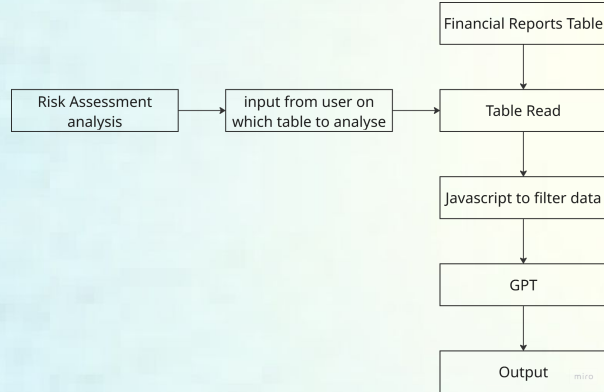
Debt Equity Optimization

Debt Equity Optimization : give optimization based on balance sheet and debt equity report



Risk Assessment

Risk Assessment Analysis



I want Financial Risk Assessment

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Here's a risk assessment based on the provided data:

1. ExampleCorp
 - Debt-to-Equity Ratio: 2.5 (High)
 - Interest Coverage Ratio: 4.0 (Good)
 - Credit Score: 720 (Good)
 - Assessment: Moderate risk due to high debt but offset by good interest coverage and credit score.
2. FinTech Inc
 - Debt-to-Equity Ratio: 2.0 (High)
 - Interest Coverage Ratio: 3.75 (Good)
 - Credit Score: 650 (Moderate)
 - Assessment: Higher risk due to lower credit score and high debt.
3. AutoMotive Ltd
 - Debt-to-Equity Ratio: 1.6 (Moderate)
 - Interest Coverage Ratio: 2.57 (Moderate)
 - Credit Score: 580 (Poor)
 - Assessment: High risk due to low credit score and moderate interest coverage.
4. RetailWorks
 - Debt-to-Equity Ratio: 1.2 (Moderate)
 - Interest Coverage Ratio: 4.0 (Good)
 - Credit Score: 700 (Good)
 - Assessment: Lower risk compared to others, supported by good credit score and interest coverage.

Overall Risk Assessment:

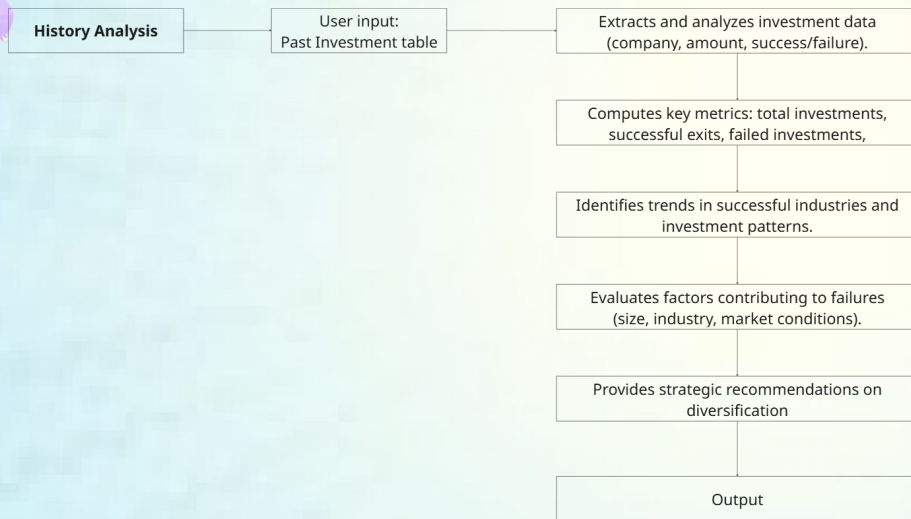
- ExampleCorp: Moderate risk
- FinTech Inc: Higher risk
- AutoMotive Ltd: High risk
- RetailWorks: Lower risk

Investors should consider industry trends, potential economic factors, and individual investment goals alongside these assessments.



History Assessment

History Analysis



i want to use Evaluate Investment History 08

Investment Analysis

1. Investment Summary:

- Total number of investments made: 10
- Total successful exits: 6
- Total failed investments: 4
- Total amount invested across all companies: ₹78,00,000
- Success rate (%): $(6 / 10) * 100 = 60\%$

Insights Based on Historical Data

- Industry Success
 - The investor has been more successful in technology-related sectors (e.g., AlphaTech, GammaAI, KappaBlockchain) and education (EpsilonEdu).
- High Return Startups:
 - Startups in technology and innovation (AlphaTech, GammaAI, KappaBlockchain) have yielded the highest returns, indicated by their successful status despite varying investment amounts.
- Factors Contributing to Failures:
 - Investment Size: Larger investments (e.g., ThetaLogistics at ₹11,00,000) have resulted in failures, suggesting that higher capital does not guarantee success.
 - Market Conditions: The failure of BetaHealth and ZetaFood may indicate adverse market conditions or sector-specific challenges.
 - Industry Type: Non-tech sectors (e.g., health, food) appear to have a higher failure rate in this dataset.

Recommendations

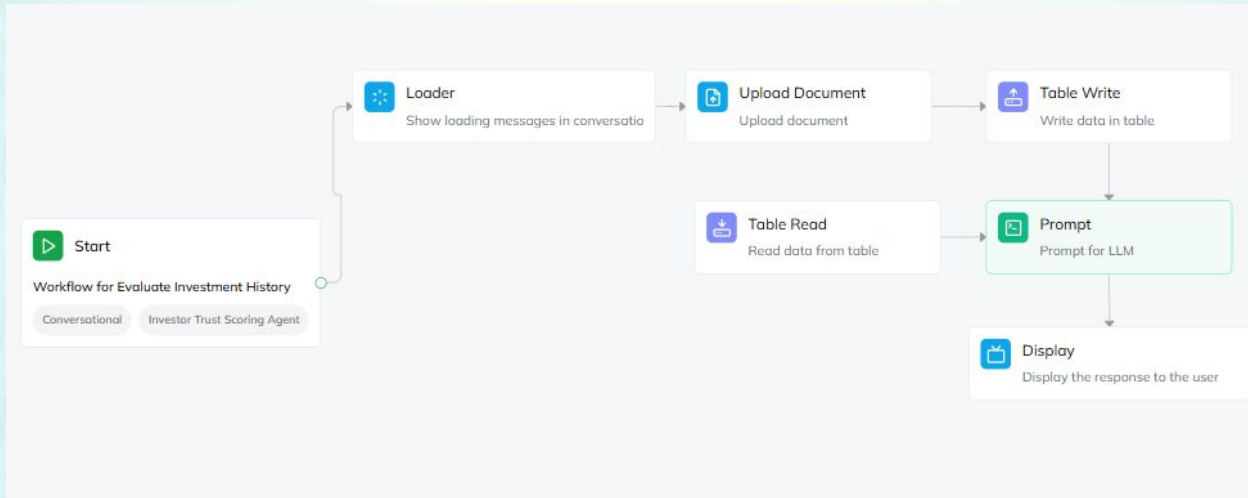
- Diversification vs. Focus:
 - The investor should consider diversifying into more technology and innovative sectors while potentially reducing exposure to non-tech industries that have shown higher failure rates.
- Ideal Investment Range:
 - Based on successful patterns, an ideal investment range would be between ₹5,00,000 to ₹10,00,000. This range has historically supported successful exits while minimizing risk exposure.

Structured Investment Recommendation

1. Continue to focus on technology and innovation sectors for future investments, as they have historically yielded better success rates.
2. Diversify investments into emerging technologies or services related to successful past investments, while being cautious with larger capital allocations.
3. Maintain an investment range of ₹5,00,000 to ₹10,00,000 to balance risk and return effectively, aiming for startups with solid business models and market potential.
4. Conduct thorough due diligence on market conditions and industry trends before making new investments to mitigate risks associated with sector volatility.

History Assessment

History Analysis



Important Ratio Calculation

Ratio calculation

Ratio calculation

```
1 const main = () => {
2   let csvString = input.data;
3   let records = parse(csvString, { columns: true });
4
5   let results = records.map(row => {
6     let debt = parseFloat(row["Debt (USD)"]);
7     let equity = parseFloat(row["Equity (USD)"]);
8     let ebit = parseFloat(row["EBIT (USD)"]); // Assume EBIT as Net Income
9
10    let debtToEquity = equity > 0 ? (debt / equity).toFixed(2) : "N/A";
11    let returnOnEquity = equity > 0 ? ((ebit / equity) * 100).toFixed(2) + "%" : "N/A";
12
13    return {
14      "Company Name": row["Company Name"],
15      "Debt-to-Equity Ratio": debtToEquity,
16      "Return on Equity (ROE)": returnOnEquity
17    };
18  });
19
20  console.log("Financial Ratios Calculation:");
21  console.table(results);
22 }
23
```



Future Objectives

1. Implement Data saving from user side in RAG models
2. Web crawlers to fetch online available data for analysis

