LEAP24 AI OASIS HACKATHON

INGINT

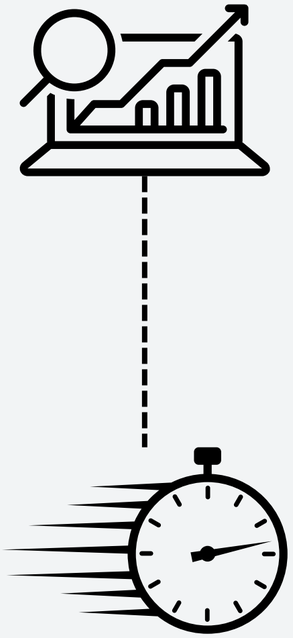
ONE FOR ALL

PRESENTATED BY:
TEAM - DECADEX

PROBLEM STATEMENT WE ARE ADDRESSING:

In the realm of Designing Digital Enterprises, the **challenge lies in leveraging AI, ML, and data analytics to revolutionize businesses.** This isn't just about adopting technology but using it strategically to reshape industries.

Enterprises face the task of navigating vast data landscapes to derive insights, enhance customer experiences, and optimize operations. Success in this space means not just understanding these technologies but **implementing innovative solutions that drive tangible change.** It's about **empowering businesses** to thrive and remain competitive in a landscape defined by the rapid pace of digital evolution.

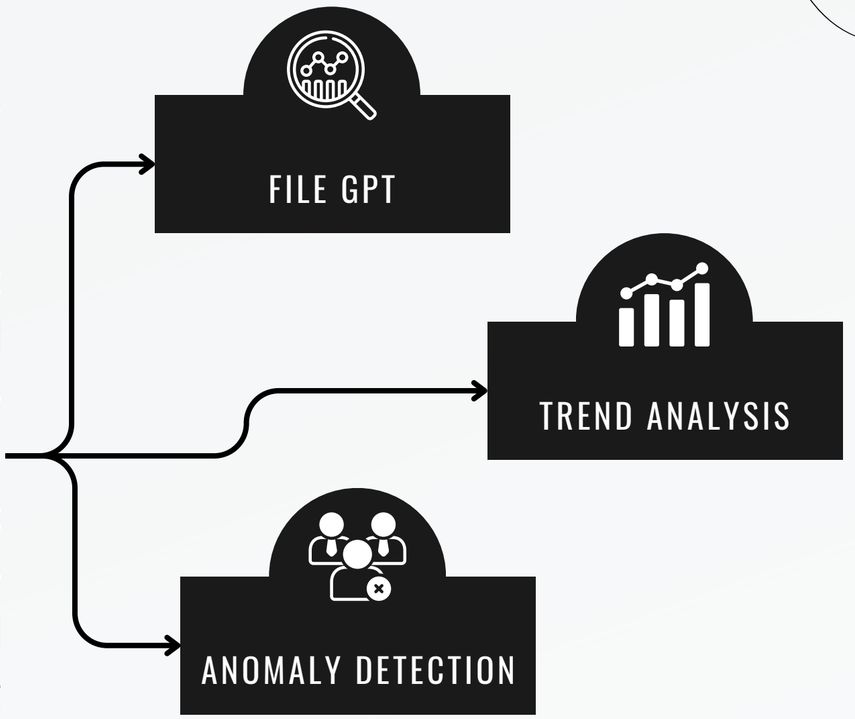


SOLUTION OVERVIEW

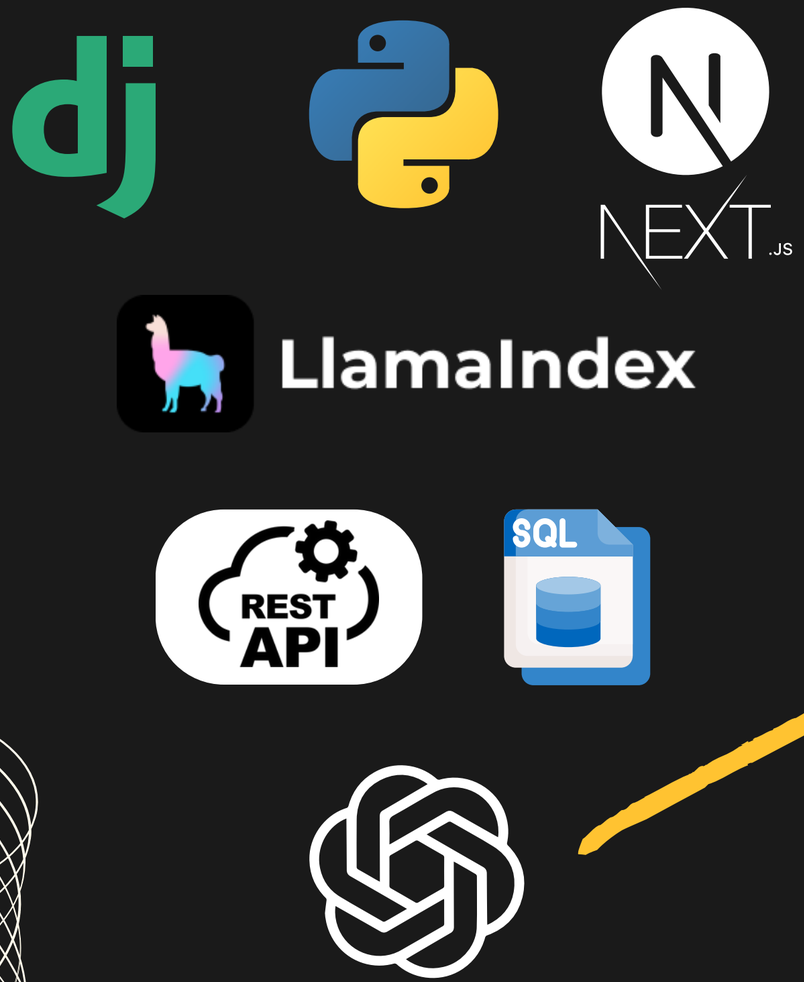
INGINT

ONE FOR ALL

1. Ingint, an all-in-one AI-driven analytics platform, empowers users to derive AI-based insights from their data, resulting in time savings and increased efficiency.
2. Ingint provides robust tools designed to address key areas: **database exploration**, obtaining intelligent insights and **trends from the data**, and **identifying anomalies** within the database.
3. Our solution incorporates a **project-centered management system** with authentication capabilities, enabling multiple **users to collaborate seamlessly** on a shared project and access a dedicated file pool, ultimately enhancing operational efficiency.



TECH STACK



Open-Ai

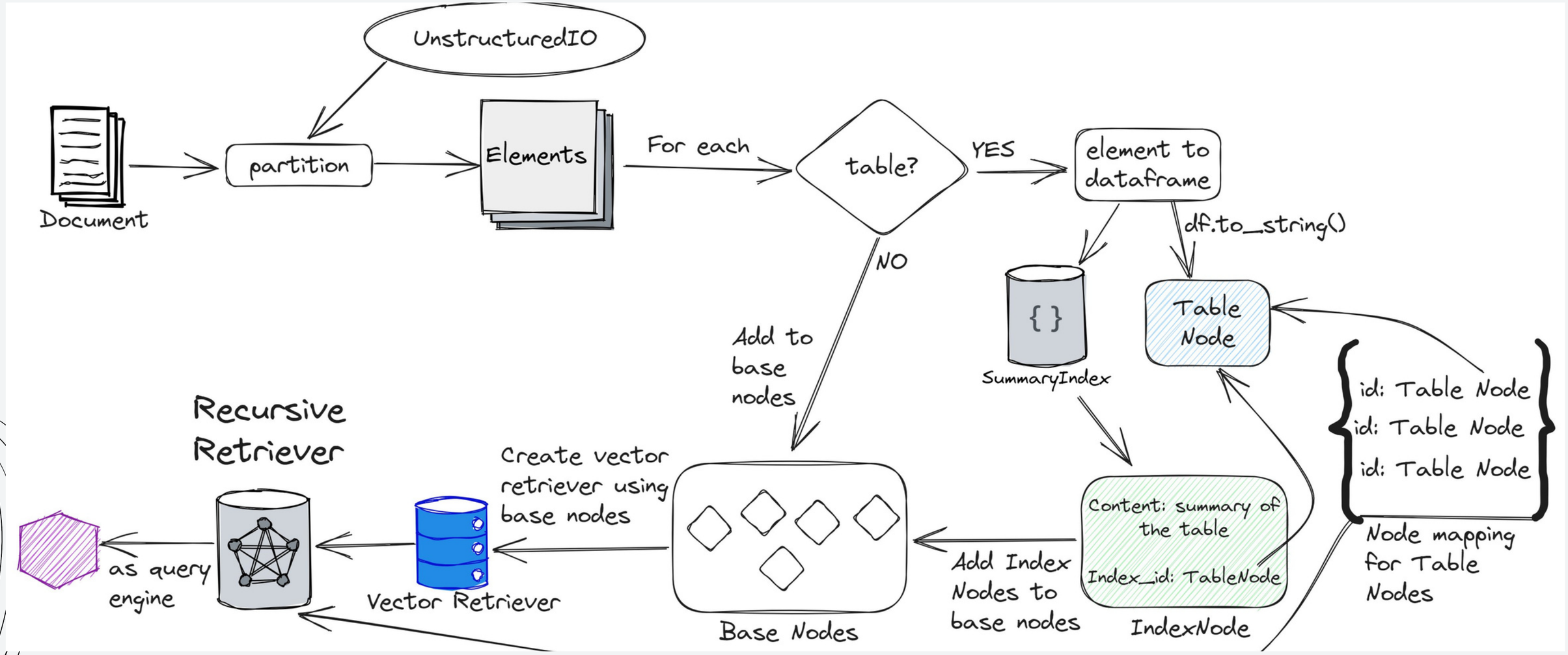
Models used - 3.5 turbo

Utilizing OpenAI's API offers numerous advantages. It enables seamless integration of cutting-edge language capabilities into various applications and systems. Developers can harness the power of AI-generated text, natural language understanding, and context comprehension. This API facilitates tasks like content creation, chatbots, language translation, code generation, and more, boosting productivity and user experience. Its continuous updates ensure access to the latest advancements in AI technology, positioning developers to create innovative and intelligent solutions.

MODEL WIREFRAME

UNSTRUCTURED DATA

The depicted flowchart effectively illustrates the core logic implemented to aid GPT in comprehending and correlating the input data. This process enables GPT to generate responses embedded with insightful analytics for our use.



MODEL WIREFRAME

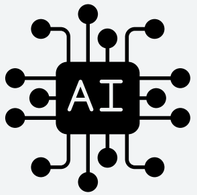
STRUCTURED DATA AND NATURAL LANGUAGE QUERY

We have also taken and restricted **Personal Identifiable Information (PII)** by smartly replacing it with dummy data when passed on to GPT and improving the prompts, as data privacy is a concern for both customers and the bank

The received problem is interpreted using NLP, which is then passed to langchain to queery and extract the data.

Langchain extracts the relevant information by auto generating queries and filtering the data using MYsql

The extracted data is sent to GPT model for interpretation and analysis. GPT model is well trained on libraries like pandas for data interpretation



GPT creates the relevant response to the question keeping in mind the parameters set in the customised prompt

The Wireframe in the previous slide follows an approach for the unstructured data whereas this overview follows the approach for structured data.

IMPACT AND BENEFITS:

Strategic Decision-Making:

Empowers swift, data-driven decisions through trend analysis using key performance indicators (KPIs), aligning with the hackathon's focus on leveraging AI for industry transformation.

Accessible Data Exploration:

Natural language querying democratizes data access, fostering informed decision-making among non-technical users and enhancing customer experiences, in line with the hackathon's goal of innovative solutions.

Proactive Anomaly Detection:

Early anomaly identification ensures data integrity and operational efficiency, aligning with the hackathon's aim to reshape industries through AI-driven solutions.

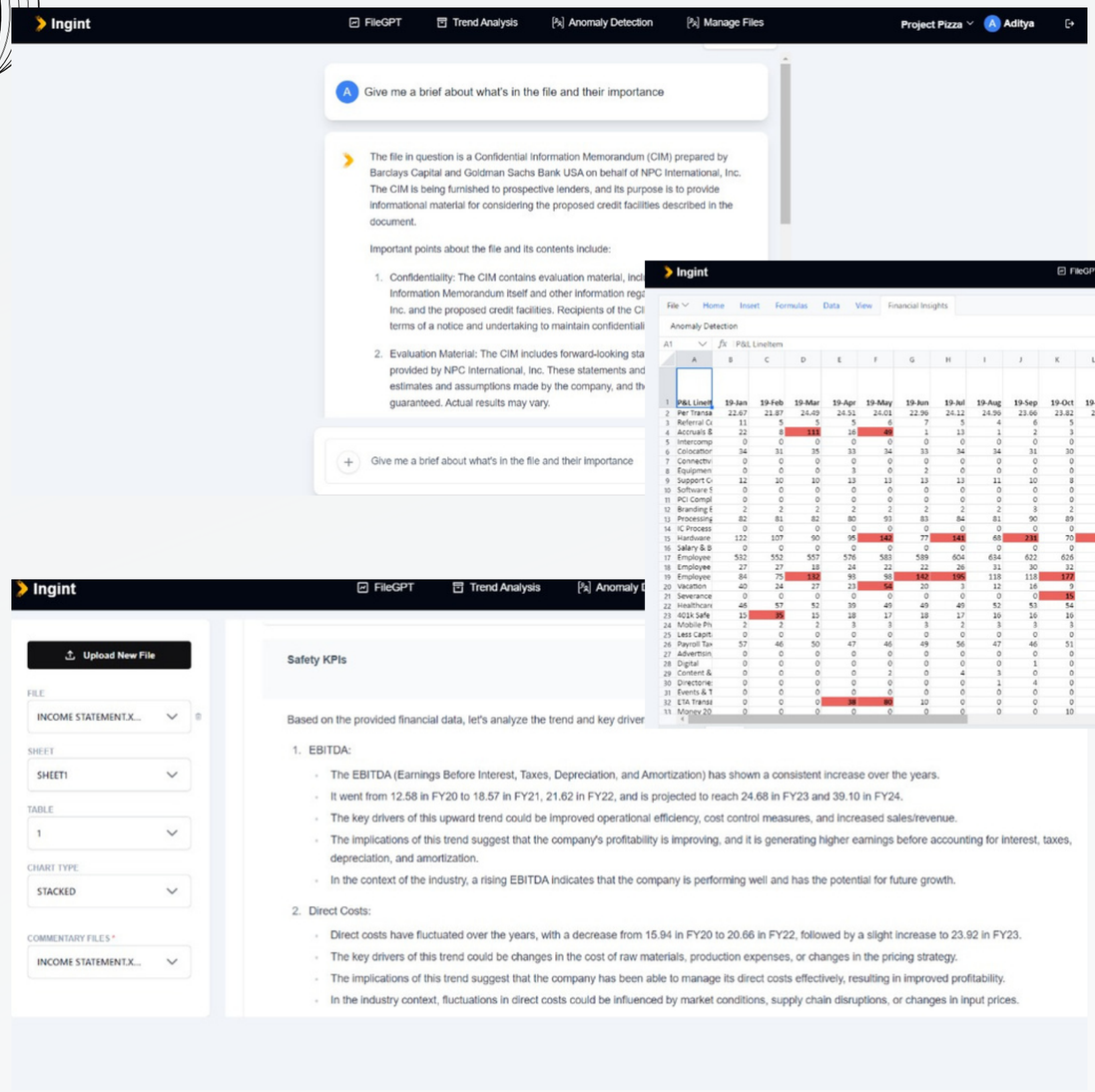
Efficiency and Innovation:

Optimizes business processes, reduces costs, and encourages innovation by bridging complex data analysis with user accessibility, reflecting the hackathon's emphasis on groundbreaking solutions.

Cultural Shift towards Data-Driven Practices:

Encourages a data-driven culture in enterprises, fostering adaptability and competitiveness in a rapidly changing market, in line with the hackathon's focus on digital transformation.

SNAPSHOTS


Ingint
FileGPT
Trend Analysis
Anomaly Detection
Manage Files
Project Pizza
Aditya
Give me a brief about what's in the file and their importance
The file in question is a Confidential Information Memorandum (CIM) prepared by Barclays Capital and Goldman Sachs Bank USA on behalf of NPC International, Inc. The CIM is being furnished to prospective lenders, and its purpose is to provide informational material for considering the proposed credit facilities described in the document.
Important points about the file and its contents include:
1. Confidentiality: The CIM contains evaluation material, incl
Information Memorandum itself and other information rega
Inc. and the proposed credit facilities. Recipients of the CI
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estimates and assumptions made by the company, and th
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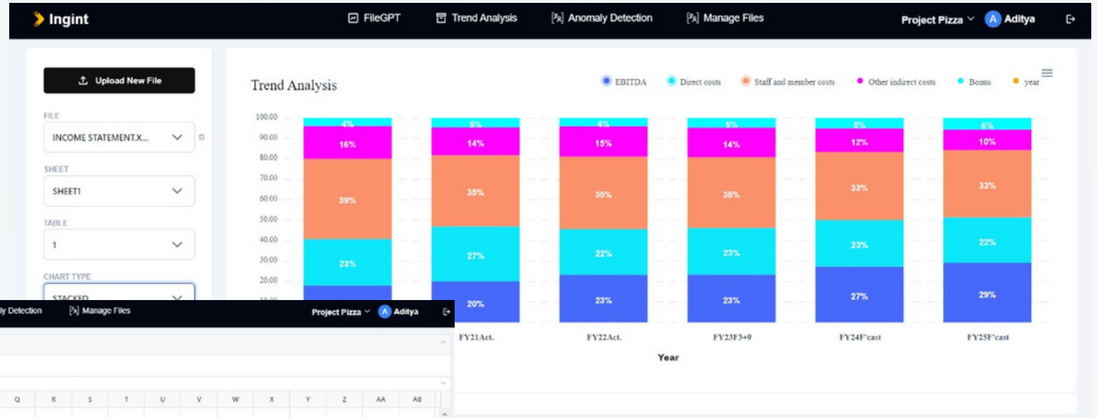
Give me a brief about what's in the file and their importance


Ingint
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Aditya
Upload New File
FILE
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1
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Other indirect costs
Bonus
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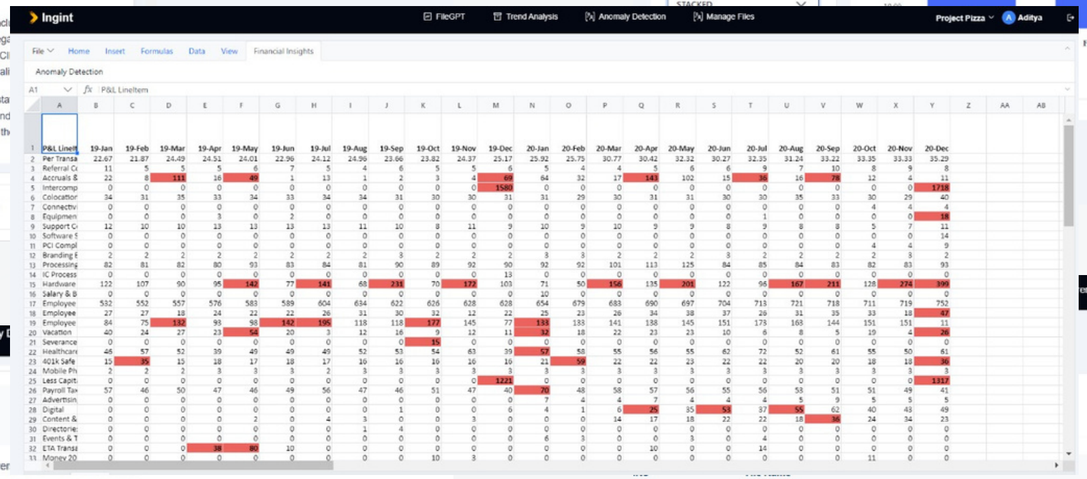
FY21Act.
FY22Act.
FY23F3+9
FY24Fcast
FY25Fcast
Year


Ingint
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Anomaly Detection
P&L LineItem

Ingint
FileGPT
Trend Analysis
Upload New File
FILE
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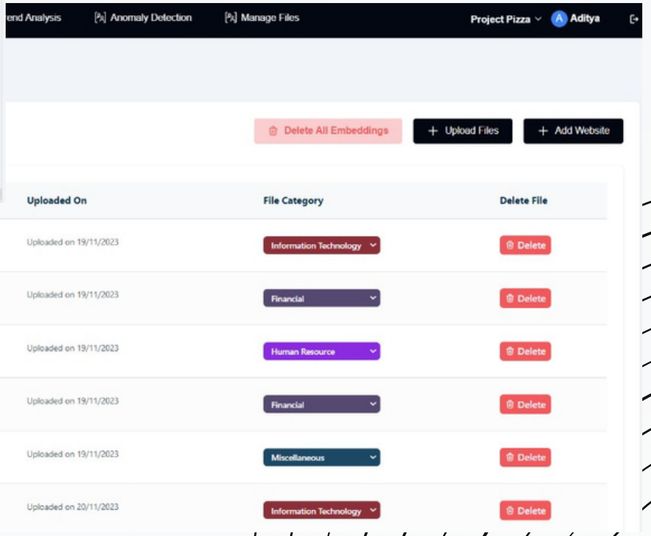
1
CHART TYPE
STACKED
COMMENTARY FILES *
INCOME STATEMENT.X...
Safety KPIs
Based on the provided financial data, let's analyze the trend and key driver
1. EBITDA:
The EBITDA (Earnings Before Interest, Taxes, Depreciation, and Amortization) has shown a consistent increase over the years.
It went from 12.58 in FY20 to 18.57 in FY21, 21.62 in FY22, and is projected to reach 24.68 in FY23 and 39.10 in FY24.
The key drivers of this upward trend could be improved operational efficiency, cost control measures, and increased sales/revenue.
The implications of this trend suggest that the company's profitability is improving, and it is generating higher earnings before accounting for interest, taxes, depreciation, and amortization.
In the context of the industry, a rising EBITDA indicates that the company is performing well and has the potential for future growth.
2. Direct Costs:
Direct costs have fluctuated over the years, with a decrease from 15.94 in FY20 to 20.66 in FY22, followed by a slight increase to 23.92 in FY23.
The key drivers of this trend could be changes in the cost of raw materials, production expenses, or changes in the pricing strategy.
The implications of this trend suggest that the company has been able to manage its direct costs effectively, resulting in improved profitability.
In the industry context, fluctuations in direct costs could be influenced by market conditions, supply chain disruptions, or changes in input prices.


Anomaly Detection
Manage Files
Project Pizza
Aditya
Delete All Embeddings
Upload Files
Add Website
Uploaded On
File Category
Delete File
CIM.pdf
Uploaded on 19/11/2023
Information Technology
Delete
Reported P&L Data.xlsx
Financial
List of Employees.xlsx
Human Resource
Income Statement.xlsx
https://www.pizzahut.co.in/
Miscellaneous
https://toxsl.com/
Uploaded on 20/11/2023

OUR TEAM

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planning