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Magic Bus

Intelligence

Hub

Secure, On-Premise AI Analytics for Unstructured Financial Data.

EVENT:-
IITB Fin Edge 2025

TRACK Problem:-
Statement 01
[Magic Bus]

SUBMISSION BY :-
Team MAGIC
(saif & hasnain)

🐍 PYTHON 📚 STREAMLIT 📊 PLOTLY

The Challenge

Why traditional reporting is failing Magic Bus

01

4 Million lives impacted, but financial insights are trapped in unstructured silos, creating a reporting bottleneck.

Data Chaos
Donors send reports in PDF/Excel. Merging them manually takes days.

Privacy Deadlock
Strict policies prevent using public ChatGPT/Cloud AI for sensitive financial data.

Blind Spots

Manual errors & delays

Magic Bus Intelligence Hub

A secure, offline-first analytics engine designed to turn chaotic documents into actionable dashboards instantly.

CORE INNOVATION

100% Private

Runs completely on-premise (Localhost). Zero data leakage to the internet.

Offline AI Engine

Custom Python logic interprets natural language ("Total Spend") without APIs.

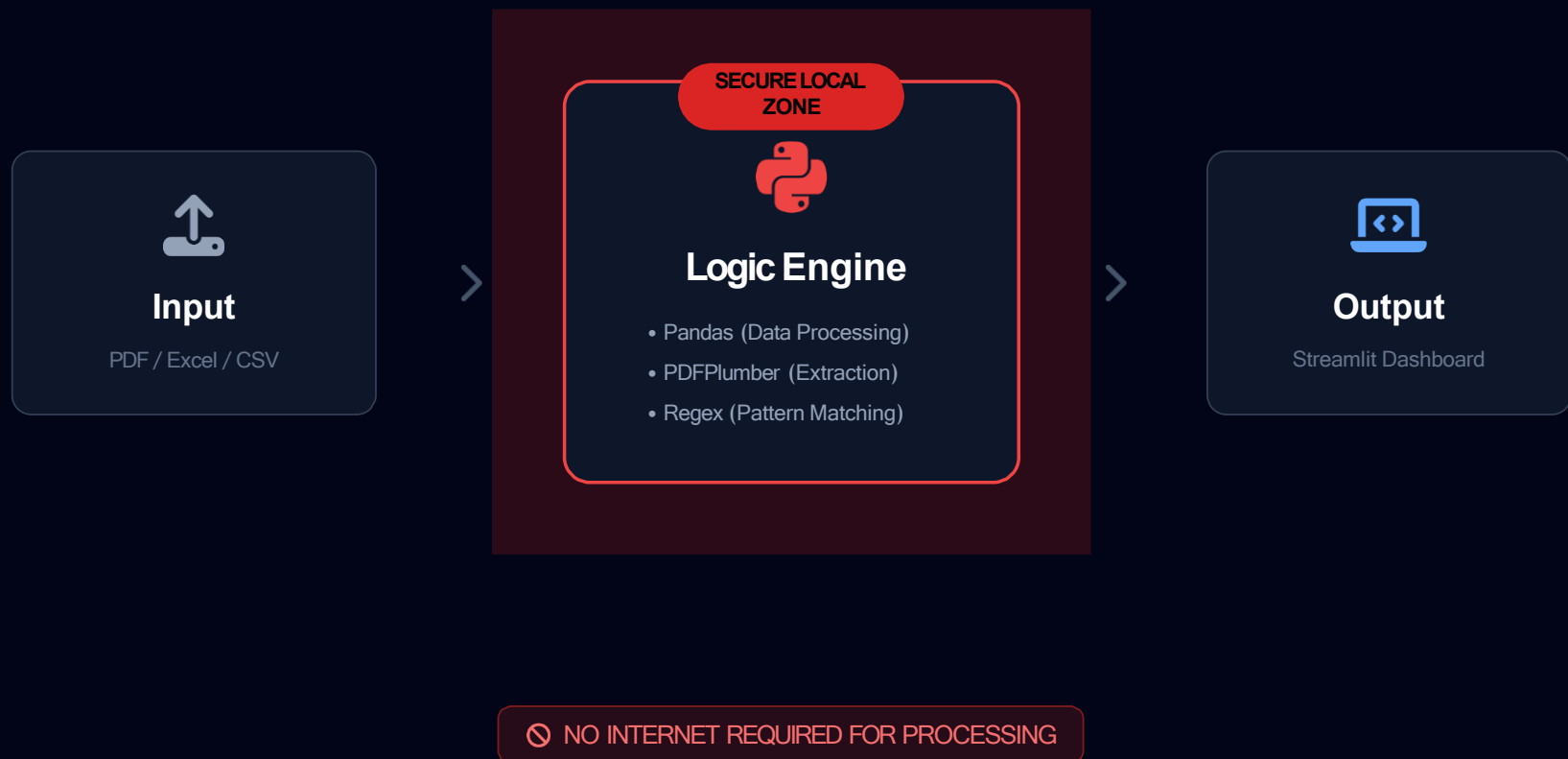## Instant Visuals

Auto-detects columns in Excel/PDF and builds graphs in seconds.

Architecture

How we achieve privacy without sacrificing power

Input

PDF / Excel / CSV

>

SECURE LOCAL ZONE

Logic Engine

- Pandas (Data Processing)
- PDFPlumber (Extraction)
- Regex (Pattern Matching)

>

Output

Streamlit Dashboard

🚫 NO INTERNET REQUIRED FOR PROCESSING

Solution Demo

Login Screen

Magic Bus Intelligence

Secure Enterprise Analytics Portal

⚠ Authorized Access Only: All activities are monitored.

Username / ID
Enter your ID

Password
Enter Password

🔒 Secure Login

Analytics Dashboard

👤 Admin User
Head of Finance

🔍 Navigation
● 📊 Dashboard
○ 📂 Data Preview
○ 🤖 AI Analyst

⚙ System
○ Profile
○ Preferences

◉ Graph Controls
☑ Show Comparison
☑ Show Allocation
☑ Show Trends

Deploy ⋮

Magic Bus Intelligence Hub

Logged in as: admin@magicbus.org

🔍 Project Comparison

Select Projects to Compare

Choose options ⌄

Total Spend	Avg Transaction	Max Project	Records Found
₹ 13,570,000	₹ 452,333	₹ 1,450,000	30

📊 Spend by Project Name

😊 Budget Allocation

Renewable Energy Project — 1.5M
Disaster Relief Fund — 1.3M
Spend Amount

9.21% 10.7%

-0.406%
-0.479%
-0.553%
-0.626%
-6.663%
-0.813%
-0.884%

■ Renewable Energy Project
■ Disaster Relief Fund
■ Solar Panel Installation

PDF Data View

🔍 Navigation
○ 📊 Dashboard
● 📂 Data Preview
○ 🤖 AI Analyst

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📤 Upload Data

Drag and drop file here
Limit 200MB per file • CS...

Browse files

📄 Random Dat... ✕
11.7KB

Logout

Deploy ⋮

Magic Bus Intelligence Hub

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🔧 Data Explorer

Filter by Project Name
All

Filter by Status
All

	Project Name	Donor Name	Category	Spend Amount	Date	Status
0	Saksham (Livelihood)	Gates Foundation	Skill Development	500000	2025-01-10 00:00:00	Completed
1	Education for All	Tata Trust	Education	120000	2025-02-15 00:00:00	Ongoing
2	Rural Empowerment	HDFC Parivartan	Rural Dev	340000	2025-03-01 00:00:00	Pending
3	Saksham (Livelihood)	Tech Mahindra	Skill Development	210000	2025-01-20 00:00:00	Completed
4	Health Camp	Gates Foundation	Health	55000	2025-04-10 00:00:00	Completed
5	Clean Water Initiative	Azim Premji Foundation	Environment	850000	2024-09-05 00:00:00	Completed
6	Digital Literacy Drive	Reliance Foundation	Education	410000	2025-05-20 00:00:00	Ongoing
7	Senior Citizen Support	SBI Foundation	Elder Care	195000	2024-11-18 00:00:00	Completed
8	Disaster Relief Fund	UNICEF	Disaster Relief	1250000	2024-07-01 00:00:00	Completed

AI Chatbot

👤 Admin User
Head of Finance

🔍 Navigation
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Deploy ⋮

Magic Bus Intelligence Hub

Logged in as: admin@magicbus.org

💬 Ask the Intelligent Agent

🤖 Namaste! I am your Magic Bus AI. How can I help you today?

🙂 hi

🤖 Hello! I am your Magic Bus Financial Assistant.

🙂 max

🤖 🏆 Highest: Renewable Energy Project (₹ 1,450,000.00)

Ask: 'Total Spend', 'Highest Project', 'Summary'... ➤

Built for Scale.

90%

FASTER REPORTING

0%

DATA LEAKAGE

10M

LIVES SCALABLE

Thank You

 github.com/MagicBus-