

FINEDGE 2025

# Magic Bus Intelligence Hub

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



PYTHON



STREAMLIT



PLOTLY

EVENT:-  
IITB Fin Edge 2025

TRACK Problem:-  
Statement 01  
[Magic Bus]

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PROBLEM STATEMENT 01

# 01

# The Challenge

Why traditional reporting is failing Magic Bus

**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

INTRODUCING

# Magic Bus Intelligence Hub

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



## 100% Private

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

CORE INNOVATION



## 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.

# 03

# Architecture

How we achieve privacy without sacrificing power



⌚ NO INTERNET REQUIRED FOR PROCESSING



# Solution Demo

**Login Screen**

The login screen features a central card with the title "Magic Bus Intelligence" and subtitle "Secure Enterprise Analytics Portal". It includes a warning message: "⚠️ Authorized Access Only. All activities are monitored." Below this are two input fields: "Username / ID" and "Password", both with placeholder text "Enter your ID" and "Enter Password". A "Secure Login" button is at the bottom. The background has a subtle grid pattern.

**Analytics Dashboard**

The dashboard is titled "Magic Bus Intelligence Hub" and shows a user logged in as "admin@magicbus.org". The left sidebar has sections for "Navigation" (Dashboard, Data Preview, AI Analyst), "System" (Profile, Preferences), and "Graph Controls" (Show Comparison, Show Allocation, Show Trends). The main area displays project comparison data: Total Spend (₹ 13,570,000), Avg Transaction (₹ 452,333), Max Project (₹ 1,450,000), and Records Found (30). Below this are two charts: "Spend by Project Name" (Renewable Energy Project: 1.0%, Disaster Relief Fund: 1.0%) and "Budget Allocation" (Renewable Energy Project: 0.21%, Disaster Relief Fund: 13.7%, Solar Water Purification: 0.08%).

**PDF Data View**

The PDF view shows a "Data Explorer" section with a table of project data. The columns are: Project Name, Donor Name, Category, Spend Amount, Date, and Status. The data includes projects like Sakham (Livelihood), Education for All, Rural Empowerment, Tech Mahindra, Health Camp, Clean Water Initiative, Digital Literacy Drive, Senior Citizen Support, and Disaster Relief Fund. The table has 9 rows. To the left, there's a sidebar with "Navigation" (Dashboard, Data Preview, AI Analyst), "System" (Profile, Preferences), and "Upload Data" (drag-and-drop area for CSV files).

**AI Chatbot**

The AI Chatbot interface shows a conversation with an "Intelligent Agent". The user asks "Namaste! I am your Magic Bus AI. How can I help you today?", the agent replies "Hi", the user asks "Hello! I am your Magic Bus Financial Assistant.", the agent replies "max", and the user asks "Highest: Renewable Energy Project (₹ 1,450,000.00)", the agent replies "Ask: 'Total Spend', 'Highest Project', 'Summary'...". The sidebar on the left is identical to the PDF Data View.

# Built for Scale.

**90%**

FASTER REPORTING

**0%**

DATA LEAKAGE

**10M**

LIVES SCALABLE

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## Thank You



[github.com/your-repo](https://github.com/your-repo)