SparkLite AI

Autonomous Insight Agent

What is SparkLite?

An AI-powered data analyst that understands your questions and analyzes your sales data automatically.

Key features ↗

1

File Upload

- Upload CSV or JSON files (up to 20MB)
- Instant data profile with column info and preview

2

Natural Language Queries

- Ask questions in plain English
- "Show sales trends," "Find top products", "Calculate averages"

3

AI Code Generation

- Automatically writes Python/pandas code
- Executes code on your data safely
- Self-corrects errors automatically

4

Automatic Visualization

- Smart chart detection (Bar, Line, Pie)
- Auto-generates relevant visualizations

5

Insight Generation

- 2-sentence summary explaining what the data shows
- Clear, actionable insights

How its work?

1. Upload your data file
2. Ask questions in natural language
3. Watch as AI writes and runs code
4. Get results with charts and insights

Technical Stack ↗

- Frontend: Streamlit
- AI: Groq API + LLama 3.1
- Data: Pandas, Plotly
- Code Execution: Secure Python sandbox

Thank You!

+251924193077
inbox@ermiyas.dev
www.ermiyas.dev
Addis abeba, Ethiopia