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<!--Designed By: Pranav Krovi-->
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SMB Revenue Service {

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<For="Neuron Edge AI"/>
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The Problem {

How can small and medium businesses use their own internal sales and financial data to generate actionable insights for growing revenue?

Real-World Scenario:

A coffee shop owner wants to increase daily revenue – but how?

- What products are the top sellers?
- Are there slow periods where promotions might help?
- Can AI predict sales based on weather, day of the week, or time of day?
- Are certain SKUs underperforming consistently?

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55%

Of SMBs say they struggle to extract actionable insights from their financial data, Deloitte, "SMB Digital Transformation Study", 2022

312 – 520 hours

Hours spent manually reviewing financials – with limited forecasting accuracy, Xero, "The State of Small Business", 2021

10%

Of growth when comparing SMBs that use analytics vs peers who don't, McKinsey & Company, "Unlocking growth in SMBs with data", 2020

34.8 million

SMBs in the United States alone, Census.gov, "Small Business Week 2024", 2024

70%

Of products disappear due to lack of granular SKU-level analysis, Gartner Research, "Data-Driven Decision-Making in SMBs", 2022

What is this? {

SMB Revenue Cloud -
Financial Analysis Dashboard

A Flask-based web application designed to help small-to-medium businesses analyze financial data using AI-driven insights and forecasting.

Target Users:

SMBs, financial analysts, founders, or operations teams seeking automated financial visibility.

- Purpose:
- Upload CSV, Excel, or Google Sheets
- Analyze revenue, costs, and profits
- Interact with dynamic dashboards
- Ask data-related questions via an AI chatbot

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Basic Function {

How It Works:

1. Upload financial data
2. Backend processes & analyzes
3. Interactive dashboard is generated
4. Forecasting model predicts trends
5. Chatbot answers questions like:
 - "What are my top-performing SKUs?"
 - "How do I improve profit margin?"
 - "What will my revenue look like next quarter?"

Forecasting Logic:

- Weighted SKU scoring (frequency, price, consistency)
- Prophet-based time series modeling

Financial Dashboard Generator

AI-Powered Business Intelligence for SMBs

Select Analysis Mode:

☒ Summary Analysis ☐ Forecast Analysis

Upload Excel/CSV File:

Choose File

No file chosen

OR

Google Sheets URL:

https://docs.google.com/spreadsheets/d/...

Generate Dashboard

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Features & Structure {

Core Features

- AI-Powered Insights using LLaMA models
- Time Series Forecasting with Prophet
- Interactive Dashboards via Plotly
- SKU Performance Scoring & Prediction
- Natural Language Chatbot for financial Q&A

Security and Production Ready

- CSRF protection, rate limiting, file validation
- Health checks, session management
- Ready for EC2 deployment or reverse proxy setup

Application Stack

- Backend: Flask (Python 3.9+)
- AI Engine: Ollama + LLaMA models
- Visualization: Plotly
- Forecasting: Prophet (with fallback)

Main Components

- Upload Module: Accepts CSV/XLSX
- Dashboard: Charts & KPIs
- Chatbot: Interactive Q&A on uploaded data
- API Endpoints: /upload, /dashboard/<id>, /health, etc.

Deployment Options

- Local machine
- AWS EC2 instance
- Reverse proxy via Nginx
- Systemd service for uptime

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Diagram {

Summary
Analysis

LLama
Enhanced

Small
Business

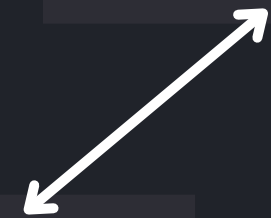
AI
CLUSTER

Data
Aggregation

Front
End

Forecast
Analysis

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Moving Forward {



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Thanks {

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<From="Neuron Edge AI"/>
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