


# ACUMEN AI – BUSINESS INTELLIGENCE REINVENTED



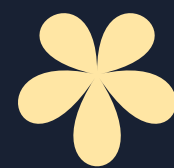
TEAM NAME : THE NEURAL NINJAS



# Executive Summary

Acumen AI transforms raw business data into actionable insights through an intelligent, natural language-driven assistant. It empowers teams to analyze sales, inventory, and customer feedback without any technical skills

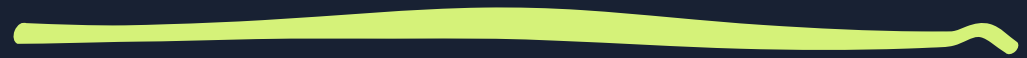
- Highlight: Conversational Interface, AI Agents, Real-Time BI







# Problem



✦  
Most BI tools are complex,  
require SQL knowledge, and  
offer static dashboards

✦  
Business users waste hours  
interpreting data or depend  
on analysts

✦  
Insight delivery is delayed,  
disconnected, and not  
actionable



# Our Solution – Acumen AI

- ✦ An AI-powered assistant that answers business questions in plain English – no dashboards, no coding
- ✦ Ask any business question
- ✦ Get contextual answers
- ✦ Analyze sales, reviews & inventory in seconds







# Key Features

- 🌐 Natural Language Interface (via Groq + LLaMA)
- 🧠 MCP Agent for reasoning
- 📁 FAISS Vector DB for semantic search
- 📂 Simple CSV Upload – No setup
- 🔒 Fully secure & private



# \* System Architecture

## ✦ AI Layer

Groq + LLaMA

## ✦ Agent Layer

MCP Agents

## ✦ Data Layer

FAISS with Vector  
Embeddings

## ✦ Interface Layer

Chat UI

## ✦ Deployment

Vultr



# Workflow Process

## ✦ System setup

Connect Groq + initialize agents

## ✦ Data Ingestion

Upload CSVs: Reviews, Sales, Inventory

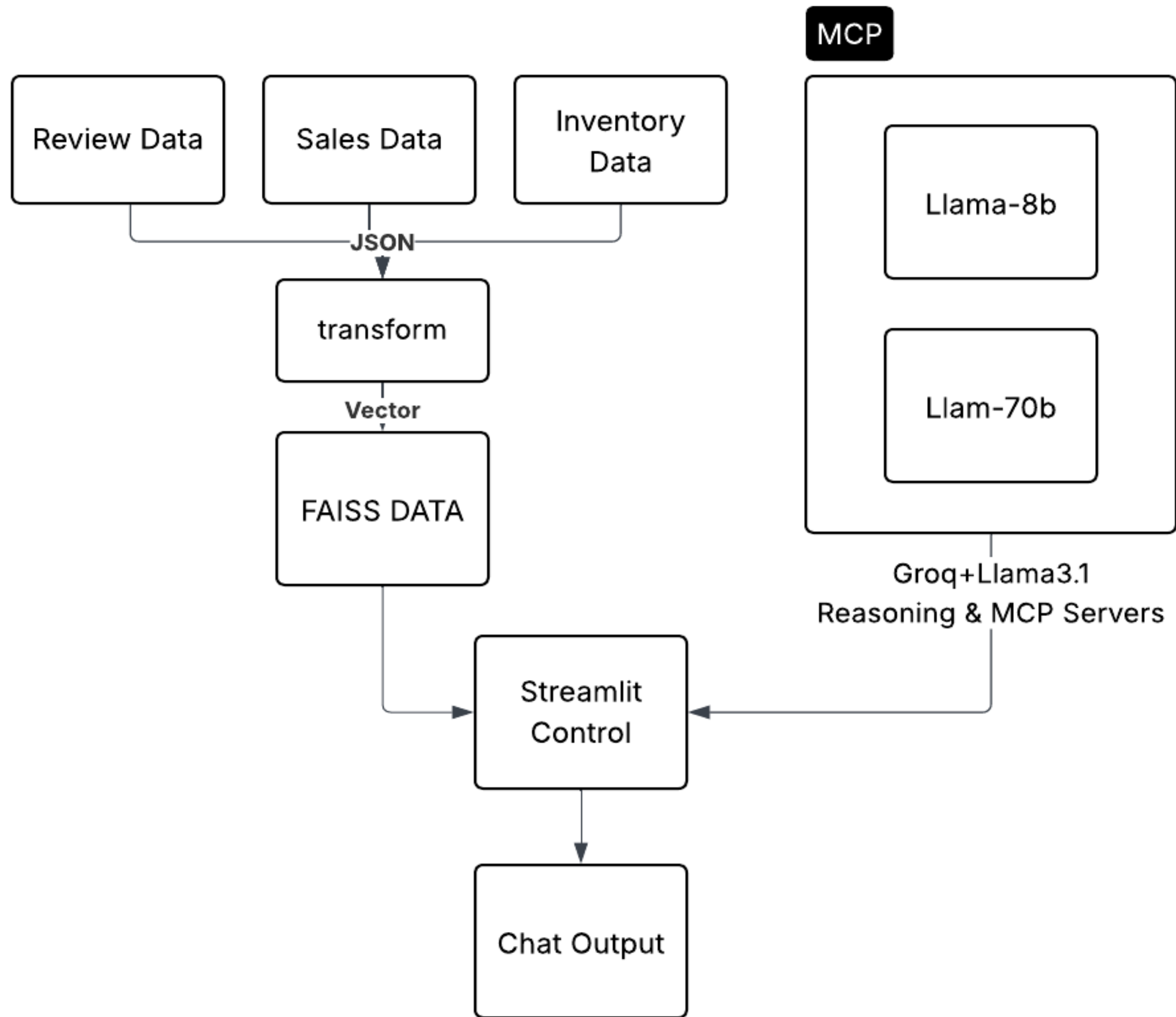
## ✦ Processing

JSON conversion → embeddings → FAISS

## ✦ Insights

Real-time Q&A from the AI assistant







# Sample Business Use Cases

## ✦ Sales Performance Analysis

Query: How did our Q4 sales compare to Q3, and which products drove the growth?

Acumen AI Response: Provides comparative analysis with specific metrics, identifies top-performing products, and highlights growth drivers with actionable recommendations.

## ✦ Customer Sentiment Insights

Query: What are customers saying about our new product line, and how is it affecting sales?

Acumen AI Response: Analyzes review sentiment, correlates with sales data, and provides strategic recommendations for product positioning.

## ✦ Inventory Optimization

Query: Which products are overstocked and what's the financial impact?

Acumen AI Response: Identifies inventory inefficiencies, calculates carrying costs, and suggests optimization strategies.



# Why Acumen AI Wins

## ✿ Traditional BI

- ✦ Needs SQL
- ✦ Static Reports
- ✦ Slow
- ✦ Complex Setup
- ✦ No Reasoning

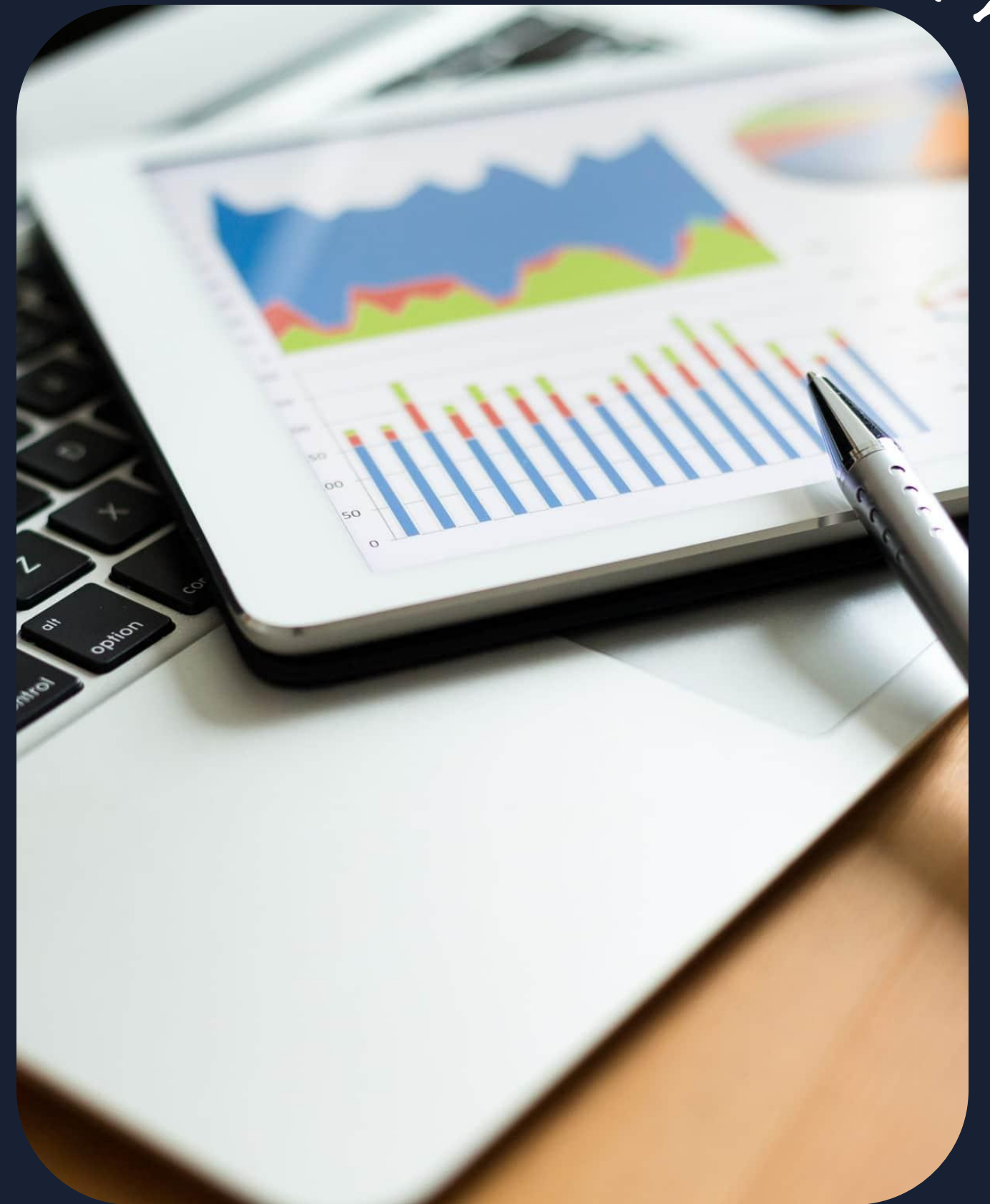
## ✿ Acumen AI

- ✦ Just ask in English
- ✦ Conversational Insights
- ✦ Real Time
- ✦ Conversational Insights
- ✦ AI + Semantic Understanding



# Technologies Used

- ✦ Groq (LLM Inference)
- ✦ LLaMA (Language Model)
- ✦ FAISS (Vector DB)
- ✦ Python, JSON, CSV
- ✦ MCP Agent Framework





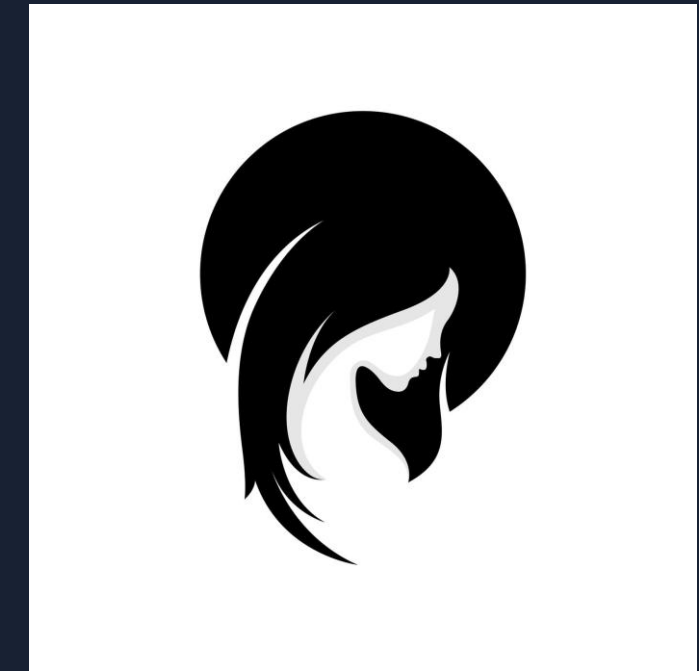
# \* Our Team



**Ghulam Murtaza**



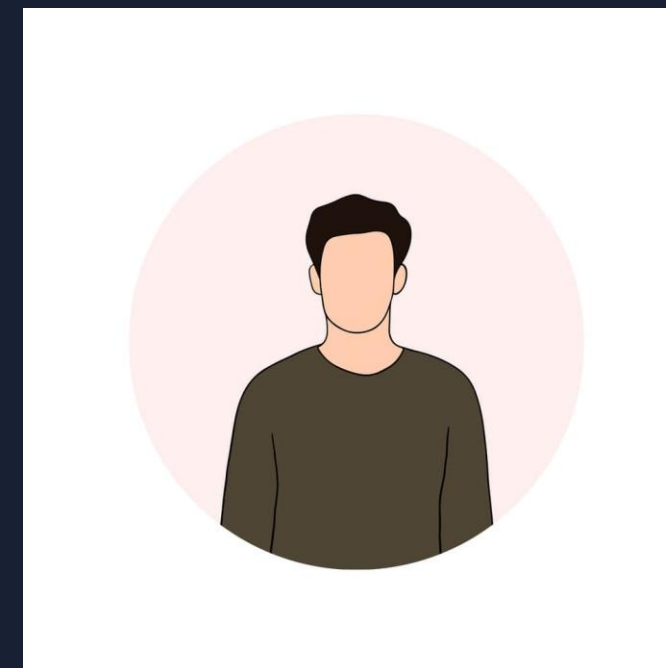
**Muhammad Zorain**  
Team Leader



**Yatinee**



**Sohaib Hasan**



**Muhammad Jasim**





# Thank You So Much

Github :

<https://github.com/Zorain98/Acumen-AI.git>

