

AI Chatbot for Student Support

Intelligent 24/7 Assistance

Problem

Students often face delays and confusion in getting answers about fees, scholarships, exams, hostel, and placements.

Solution

A 24/7 multilingual AI chatbot powered by Retrieval-Augmented Generation (RAG) and LLaMA 3.3, providing verified, language-specific responses from institutional documents.

RAG Bridge

Key Features



10 Indian Languages

Supported multilingual responses



RAG-based Responses

Fact-grounded answers



ChromaDB Semantic

Advanced search capability



Conversation Memory

Contextual understanding

Human Handoff

Low-confidence queries



Logging & Analytics

Comprehensive tracking



REST API

Easy integration



Dockerized Deploy

Containerized setup

Architecture Diagram

Data Processing



Vector DB



LLaMA 3.3



Human Handoff

Impact

24/7 Smart Assistance

Provides round-the-clock student support without delays

Reduces Workload

Decreases administrative burden on staff

Regional Accessibility

Improves accessibility for regional language users

Verified Accuracy

Ensures accurate responses from verified documents

Team Members

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Google Drive

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