

AKAM HACKATHON '22

Problem ID

PID616

Statement

ChatBot for GTU

Team Name

The Nerd Herd

Problem Description

Many students do not visit GTU websites regularly and so they miss out the important tasks such as enrollment fee and exam fee payment. Our ChatBot will ensure that the students are provided with answers to their queries regarding results, fee payments and latest circulars. The personalized information of student will also be provided using their enrollment number. The bot will generate options for some frequently asked issues and will correspond to it accordingly.

Solution

- ChatBot on WhatsApp
- Help in solving queries such as:
 - a. Course and Examination details
 - b. Scholarship Opportunities
- Connected with Admin Portal to manage analytics related to the queries arised and solved.

Technologies Stack

Backend : Node.js, Express.js, WebSocket

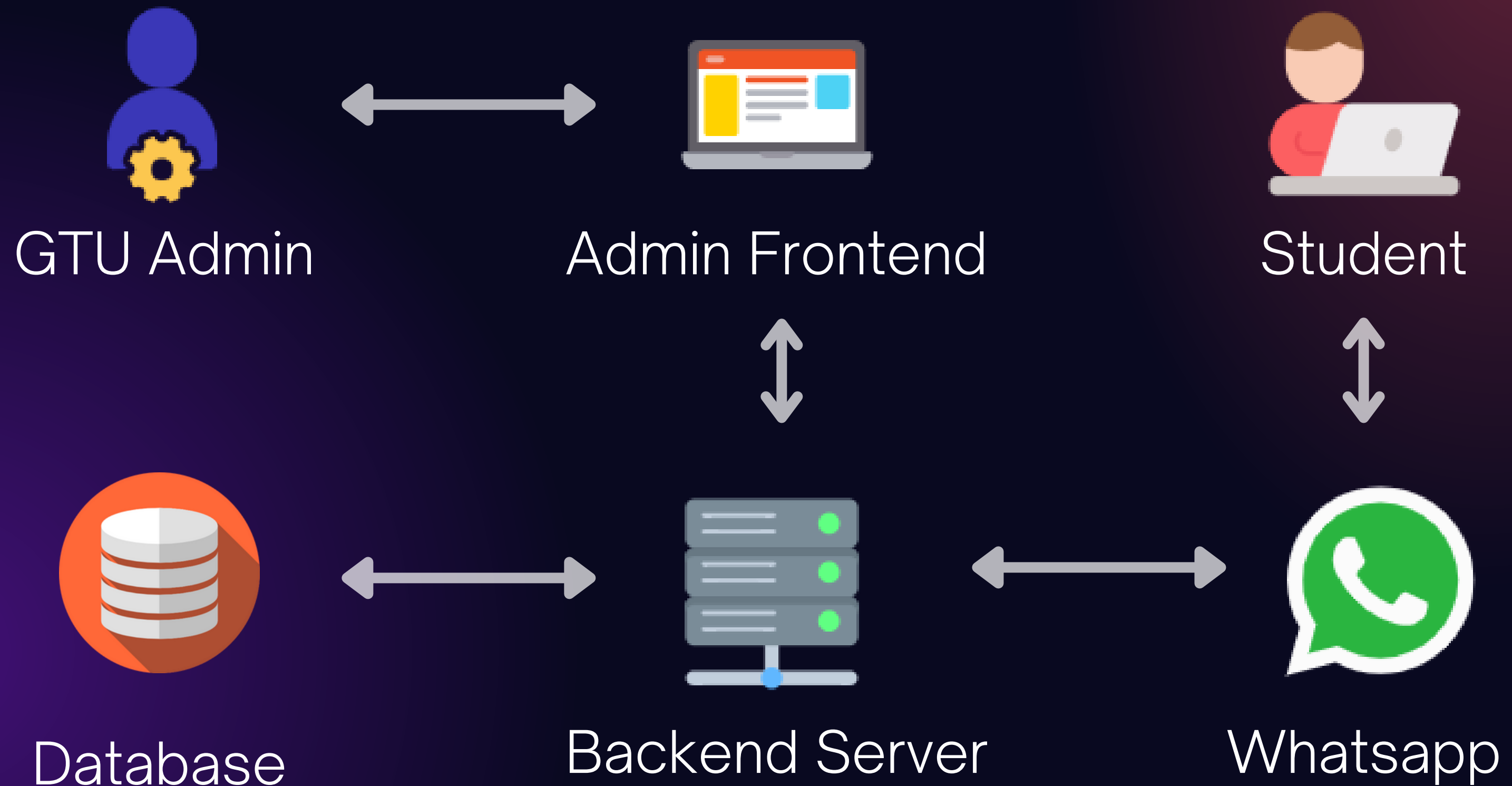
Database : MongoDB, Mongoose

Frontend : React.js, JavaScript,
Tailwind CSS, Axios

UI : Figma

Hosting : Digital Ocean(Ubuntu Server)

Architecture



Challenges Faced

- Integrating with WhatsApp API.
- Getting large database and maintaining it over time.
- Confidential information needs to be linked to individual Enrollment Number.

Progress Made

- Prototype is ready. ([Demo](#))
- WhatsApp API has been integrated with Backend server.
- Basic UI Design has been prepared.
- Admin Panel has been partially created.

Expected Outcomes

- Helps in solving queries such as:
 1. Fee payment deadlines.
 2. Course and Result details.
 3. Scholarship Opportunities.
- Get updated with latest circular and notifications from GTU website.

Team Details

Backend Server

Janthe Karan
Panchal Dhyanesh

UX and research

Bansal Tanishqua
Patel Mohit

Frontend

Goswami Maulik
Hirpara Priyanshu

UI

Ajudia Aditi
Nandha Tirth

Team Learder

Janthe Karan