



**SUPERIOR UNIVERSITY**

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# Hospital Information Chatbot

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## Overview

This project is a simple Hospital Information Chatbot developed using Flask. It provides users with quick answers to common hospital-related queries like timing, location, departments, and appointment booking.

## Technologies Used

- Python (Flask Framework)
- HTML
- CSS
- JavaScript (Fetch API for AJAX)

## Features

- Real-time chat with typing effect
- Clean and modern user interface with gradient background
- Predefined questions and responses
- Responsive layout and beginner-friendly code

## File Structure

- app.py – Main backend logic using Flask
- templates/index.html – HTML structure of the chatbot
- static/style.css – CSS styles for chatbot UI

## How It Works

1. The user opens the chatbot web page.
2. They type a question (like 'what time do you open?') into the input field.
3. The frontend sends the question to the Flask backend using AJAX (fetch API).
4. The backend checks the question in a predefined dictionary and sends the response back.
5. The response appears in the chat with a typing animation.

## Conclusion

This project demonstrates how to create a basic chatbot with Flask, real-time interaction, and a friendly UI. It's ideal for beginners in Python and web development.