

# ***WOMEN SAFETY BOT***

## **TEAM MEMBERS**

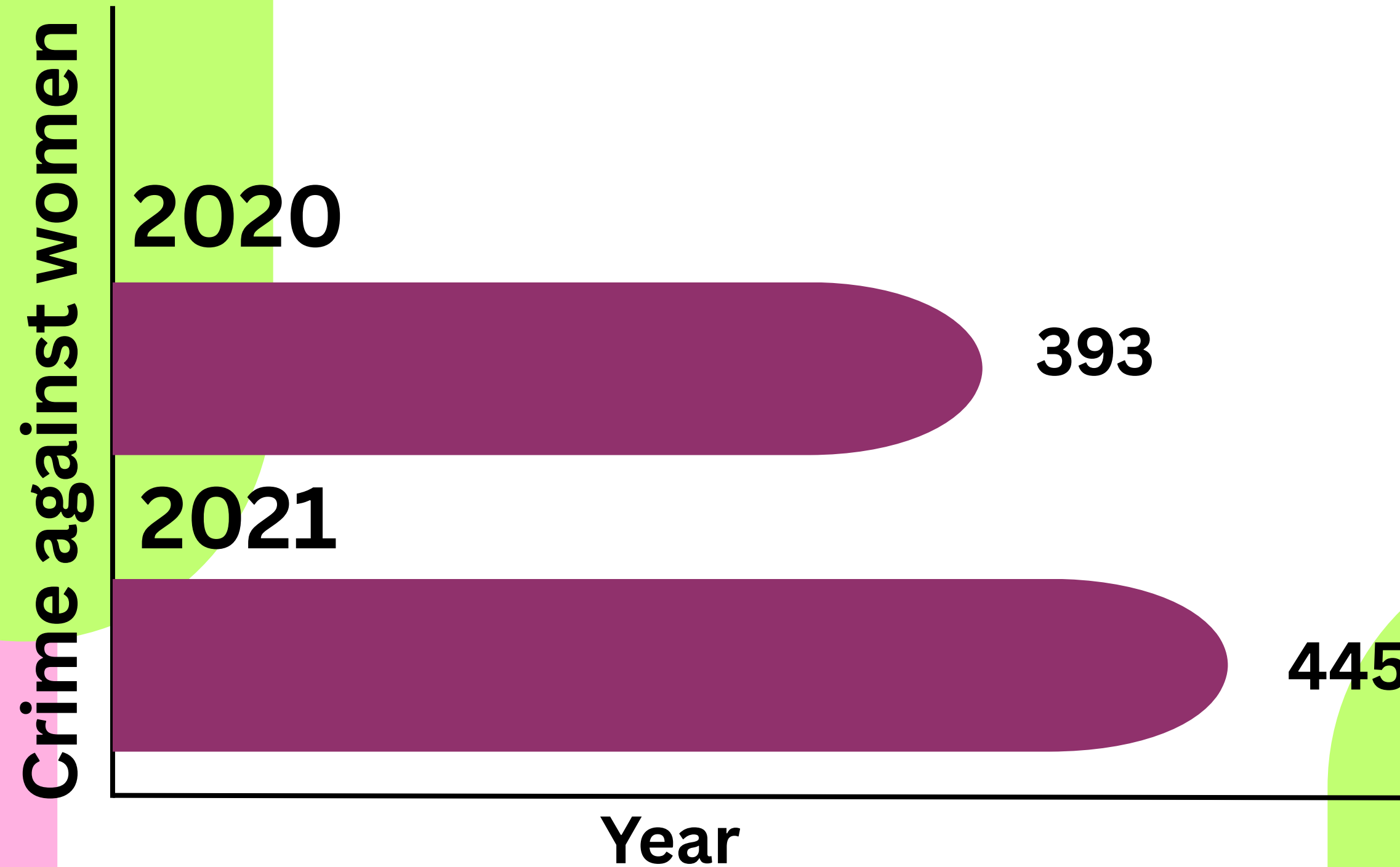
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# ***Problem Statement***

**Women often cannot call for help during emergencies without drawing attention. Existing safety apps require visible actions and lack intelligent, discreet assistance—creating a need for a stealthy AI chatbot that can detect danger, share live location, and alert contacts without compromising privacy.**

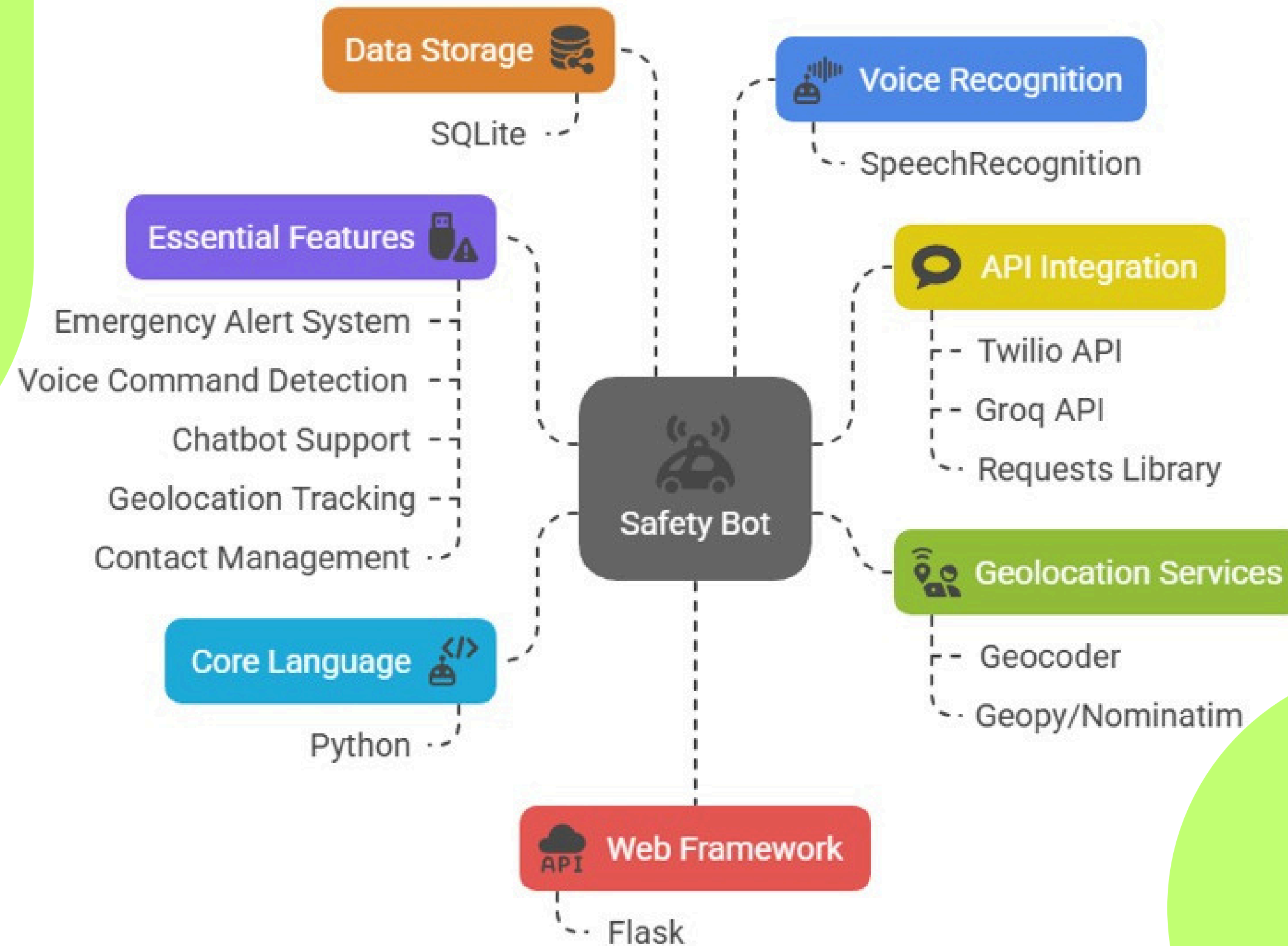
# ***Critical Statistics on Women's Safety***



# ***Solution***

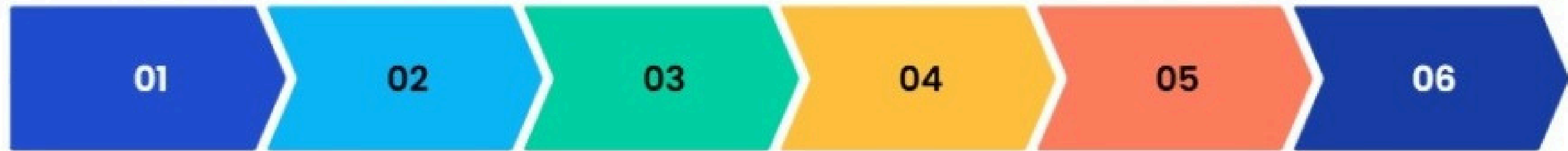
**The Women's Safety Chatbot empowers women with real-time assistance and safety features to combat the urgent issue of violence against women by guiding them through chats using Ai**

## Key Features



Feature	Algorithm Type	Library/API
Location Detection	Geolocation & Reverse Geocoding	geocoder, geopy
Emergency Alert	Routing (loop)	twilio
Chat Responses	LLM (Transformer)	Groq API, LLaMA 3
Database Handling	CRUD operations & SQL indexing	sqlite3
User Interaction	Request - response routing (WSGI server loop)	Flask
API Security	Token-based authentication	requests, twilio, groq
Voice Recognition	Speech-to-Text (STT)	SpeechRecognition, pyaudio

# WORKFLOW



## Initialization of the Application

The Flask app starts, sets up SQLite for contacts, and activates voice recognition for 'help'.

## Emergency Response Activation

Upon detecting 'help' or user reply 'Yes', location is retrieved and alerts are sent via Twilio API.

## Chat Interaction Process

User messages trigger responses, either activating emergency flow or processing via Groq API for chatbot reply.

## Contact Management Options

Users can view, add, or remove emergency contacts stored in SQLite database.

## Voice Activation Listening

The bot continuously listens for 'help' using SpeechRecognition to initiate emergency response.

## API Security Measures

Sensitive data like API keys are securely stored, and location data is protected from unauthorized access.



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***THANK YOU!***