

SAFEHER



Problem Statement: PS1605 - Women Safety

Analytics: Protecting Women from safety threats

Team Name: Team Synergy

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Technology





OVERVIEW

- **Safety Concerns for Women:** Growing concern for women's safety and increasing crimes against women in various cities.
- **Need for Advanced Surveillance:** Need for advanced solutions to provide real-time monitoring and analytics to preemptively protect women.
- **Goal:** Address the issues through real-time threat detection software to create safer environments and assist law enforcement.

PROBLEM STATEMENT

Women's safety is an urgent concern, with increasing incidents of harassment and abuse in both public and private spaces. Traditional safety measures are insufficient, necessitating a real-time solution. There is a critical need for a system that generates instant SOS alerts for rapid intervention and includes a safe route locator to guide women away from potential threats. Additionally, integrating computer vision-based methods for real-time threat detection will further enhance protection and ensure a comprehensive approach to women's safety.

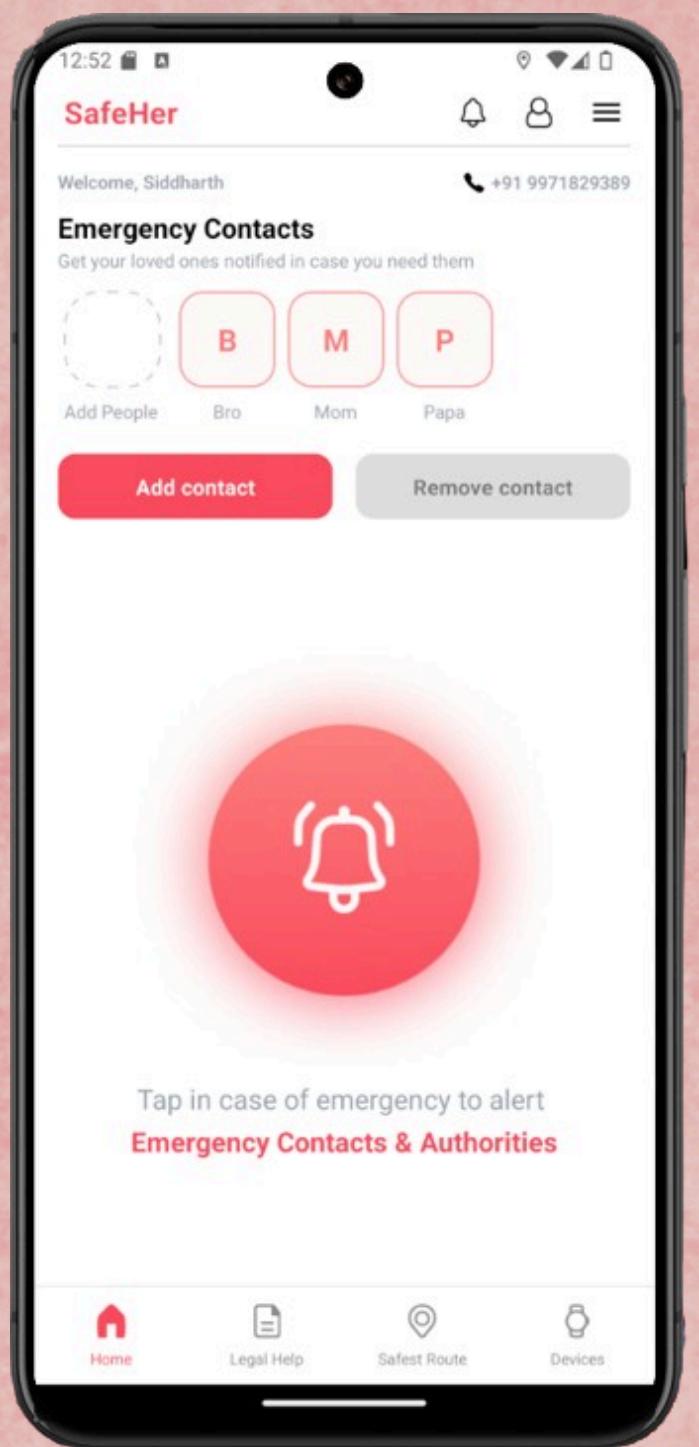
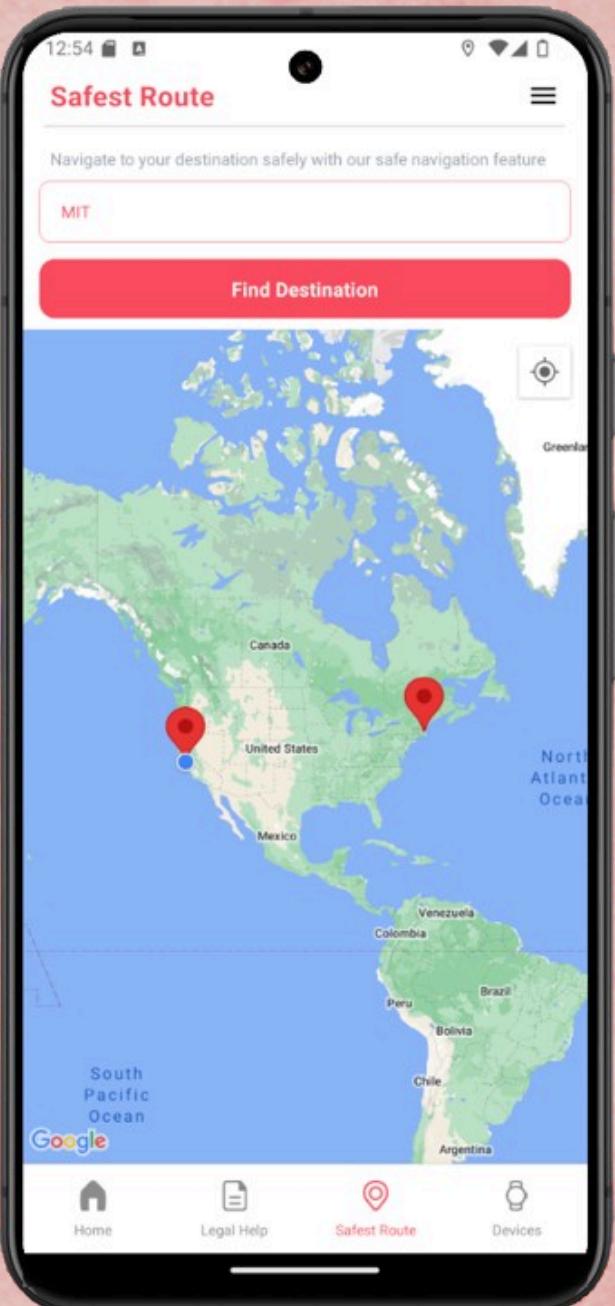
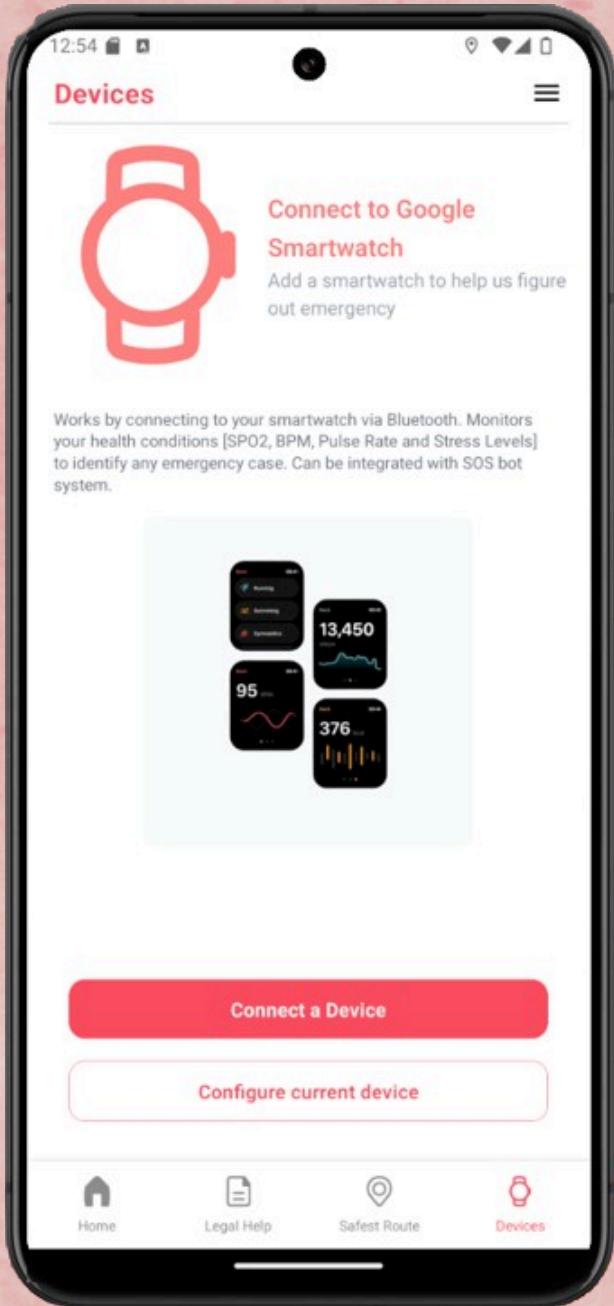
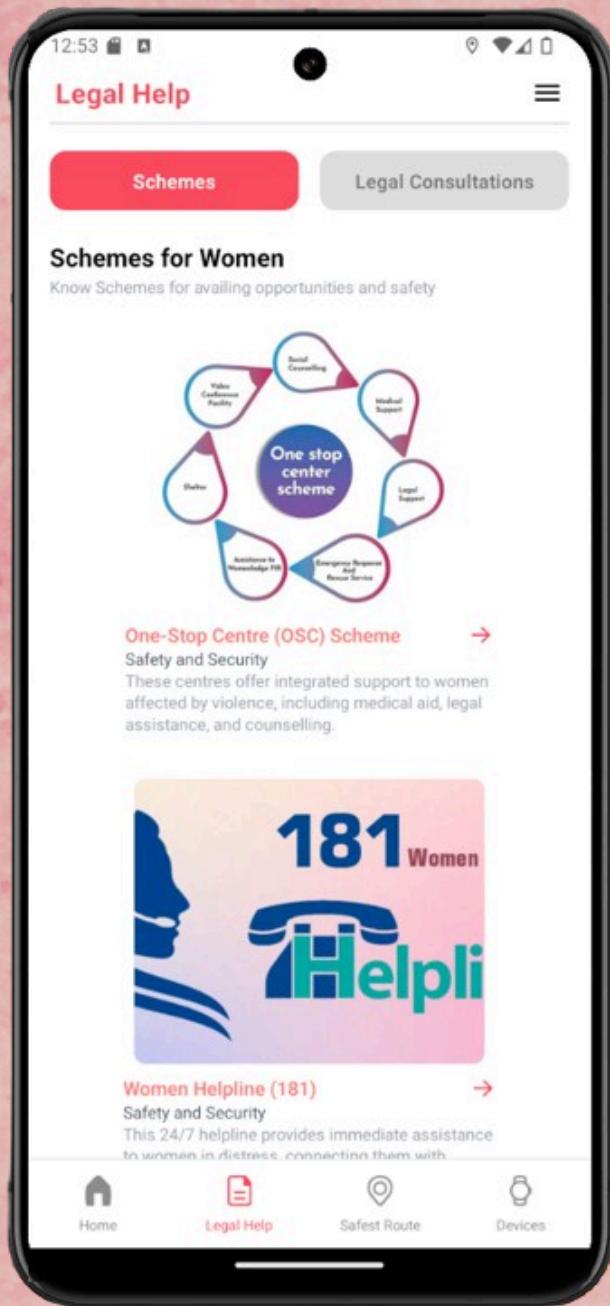
OUR OBJECTIVE

- To develop a real-time monitoring system that can detect potential threats and unusual patterns.
- To enhance public safety by alerting law enforcement and providing valuable insights for strategic planning.

OUR SOLUTION

- **Emergency Contacts with SOS Feature:**
 - Sends an SOS alert via WhatsApp if a network is available.
 - Sends an SOS alert via SMS (paid service) if no network is available.
- **Schemes for Women Empowerment and Safety:**
 - Provides a list of well-known government schemes for women's empowerment and safety.
- **Legal Consultations:**
 - Allows users to contact NGOs for legal advice.
 - Offers an option to file a complaint directly through the app.
- **Tracking Mobile Devices:**
 - Connects to the nearest smart device to track the user's location and provide additional safety measures.
- **Safe Navigation:**
 - Uses machine learning to recommend the safest navigation paths for women.
- **Smartwatch Integration:**
 - The smartwatch sends an SOS and activates the alarm if it detects panic.
- **CCTV Integration:**
 - Monitors public spaces to detect lone women in streets.
 - Recognizes stressful gestures to preemptively identify potential threats.

APP DEMO



Community Safety

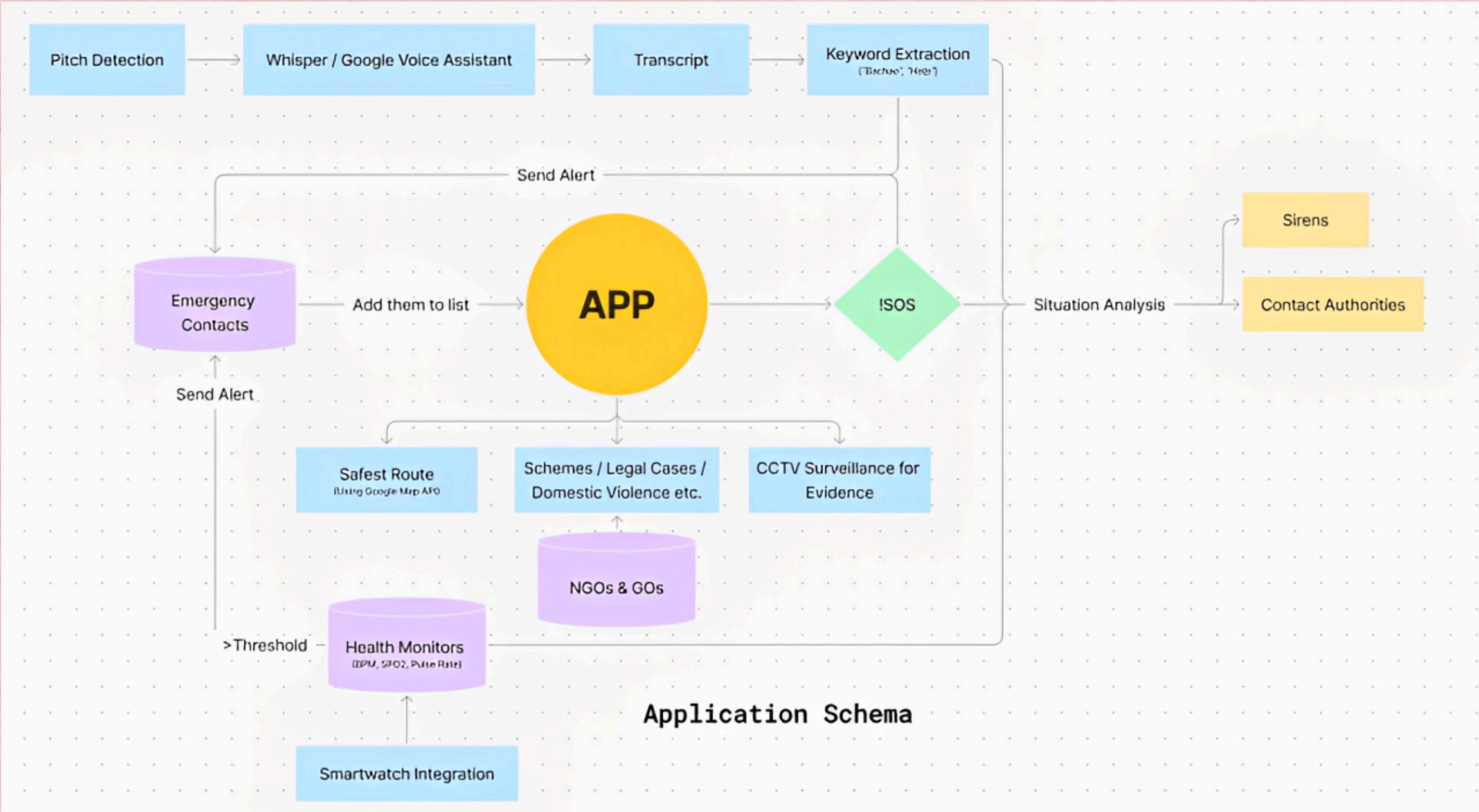
Features: Features that allow users to report suspicious activities, creating a community-driven safety network.

FUTURE SCOPE

Crowdsourced Alerts: Users to send alerts about unsafe areas, which can be shared with others in real-time.

Localization: Multi-language support to cater to users in different regions and enhance accessibility.

Automated Incident Reporting: Send incident reports to law enforcement with GPS data and video/audio evidence automatically.



We aim to develop a user-friendly, reliable, and scalable solution that enhances women's safety through proactive monitoring, real-time response, and seamless integration with existing technologies.

APPLICATION FLOW AND TECH STACK

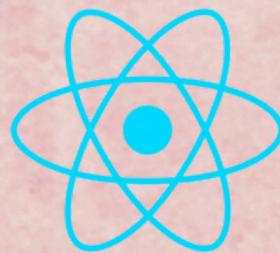
Google Maps APIs

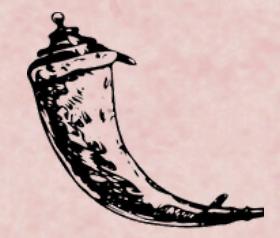
 LangChain



 pandas

 NumPy

 React Native

 Flask

THANK YOU