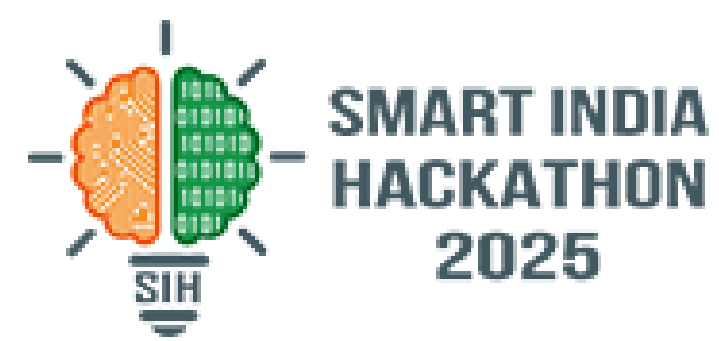
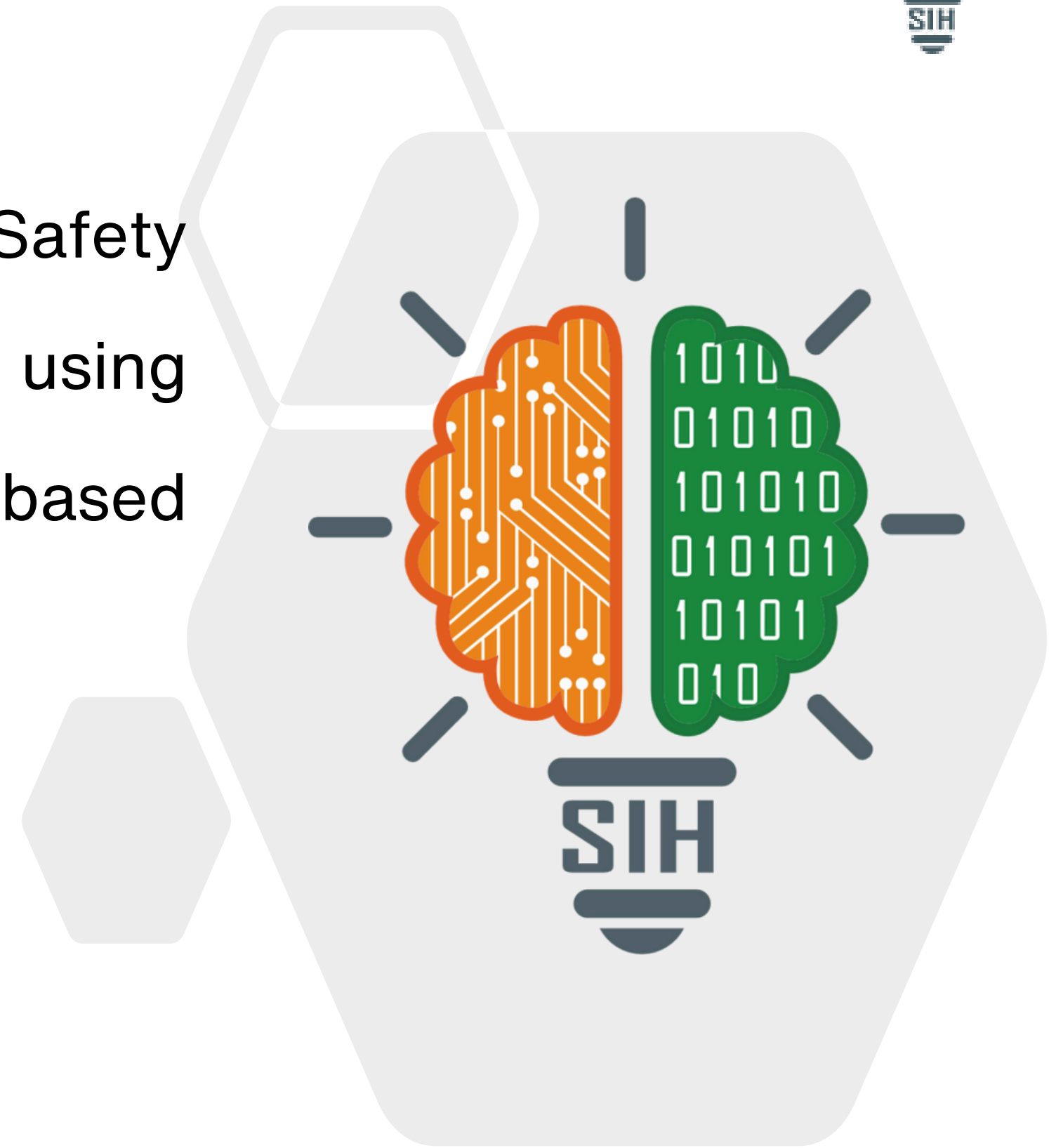


SMART INDIA HACKATHON 2025



- **Problem Statement ID – SIH25002**
- **Problem Statement Title - Smart Tourist Safety Monitoring & Incident Response System using AI, Geo-Fencing, and Blockchain-based Digital ID**
- **Theme - Travel & Tourism**
- **PS Category - Software**
- **Team ID - 53952**
- **Team Name - Neural Nexus**



► Proposed Solution:

Objective: Blockchain-secured platform with Digital IDs, Geo-fencing alerts and Multilingual emergency support.

► Components:

- **Tourist ID:** Blockchain, **KYC**
- **App:** Panic button, geo-fence
- **Dashboards:** Auto alerts, **FIRs**
- **Multilingual:** 10+ language emergency
- **Security:** Encrypted, tamper-proof data

► How it addresses the problem :

- Proactive Alerts, Rapid Response
- **Auto FIR**, Central Monitoring
- Safe Tourism, **High-Risk Zones**

► Innovation & Uniqueness:

- AI + Blockchain + IoT + Geo-fencing integration
- Blockchain-secured Digital IDs
- Predictive safety & risk detection

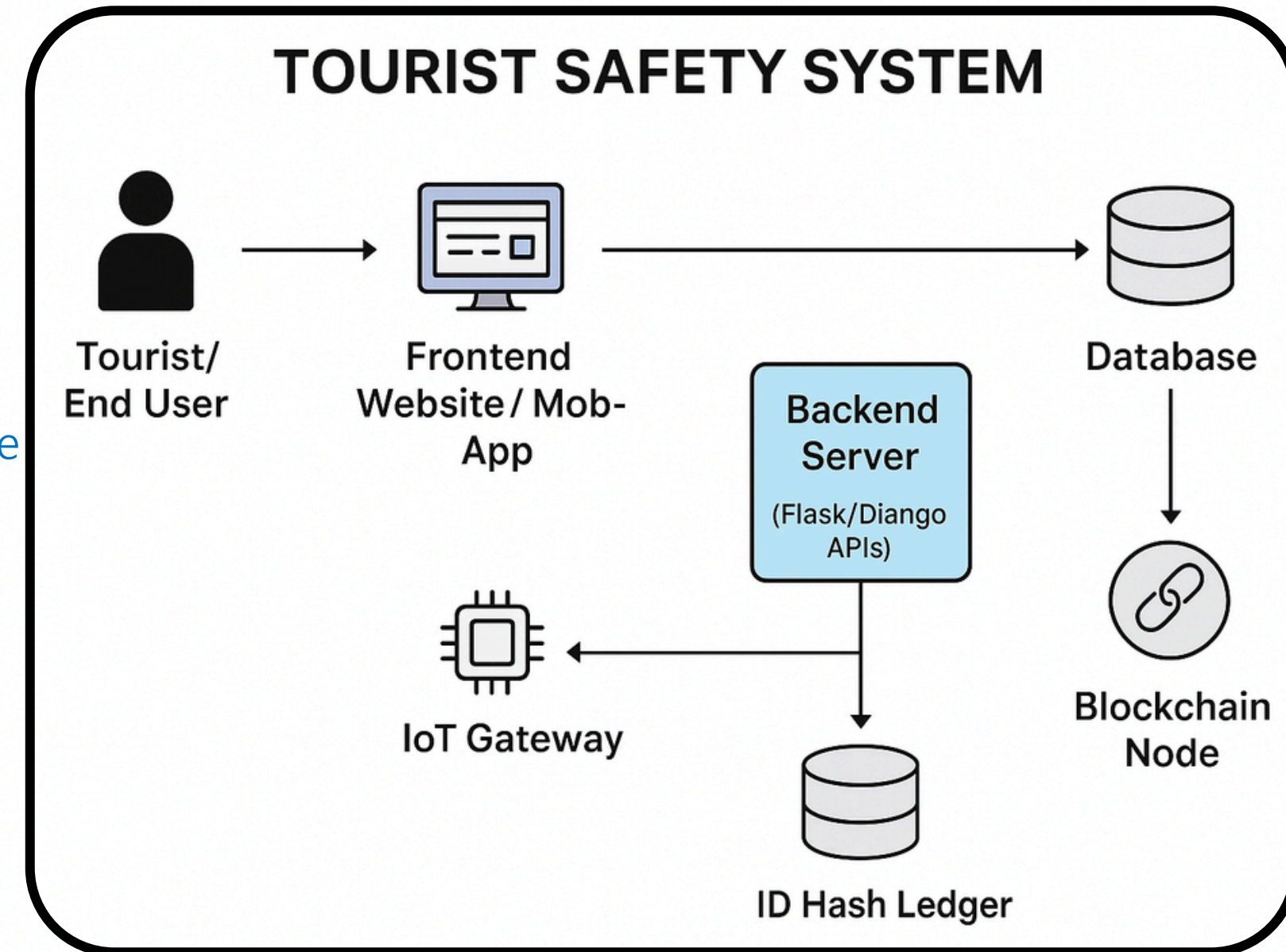


► Technology Stack:

1. Languages:  /  / 
2. Frameworks:  /  / 
3. Tools:  (Map view), Geolocation API,  Visual Studio Code
4. CI/CD Integration:  (Version control)  Firebase

► Key features :

1. Real-time Geofencing: **Risk alerts** for tourist areas.
2. Blockchain Logs: **Tamper-proof report** storage.
3. IoT Integration: Mock band + **digital ID features**.



► Technical Feasibility:

Availability of Tools and Frameworks :

- Stack: Firebase, Leaflet, Bootstrap, Google Maps, Twilio, location services.
- Scale: Cloud hosting lightweight code

► Viability:

Market Demand:

- Demand: Rising tourism safety concerns = high value
- Use: Cities, smart project police for public safety.

► Potential Challenges:

Backend Reliability:

- Efficient code stable platforms to bypass free hosting limits.

Language & Data:

- Basic translations static data, scale to multi-language

► How it addresses the problem :

- **Tourists**: Alerts, SOS, safer travel.
- **Authorities**: Live reports, resource planning.
- **Citizens**: Safety awareness, participation.
- **Govt**: Data-driven planning, Smart City use.

► Benefits of Solution:

- **Social**: Safer spaces, faster response, safety tech awareness.
- **Economic**: More tourism revenue, local business growth.
- **Environmental**: Smart routing, eco-tourism,

- Tourist from Andhra ‘killed by Goa shack staff’ during clash over ordering food past midnight — The Indian Express

Link: <https://indianexpress.com/article/india/tourist-andhra-killed-go-shack-staff-clash-ordering-food-midnight-9753026/>
The Indian Express

Date: December 31, 2024

- Tourist killed in brawl after shack refuses to serve food, 4 arrested — Times of India

Link: <https://timesofindia.indiatimes.com/city/goa/tourist-killed-in-brawl-after-shack-refuses-to-serve-food-4-arrested/articleshow/116839782.cms> The Times of India

Date: January 1, 2025

- Andhra tourist killed in fight with shack staff in Goa: Police — Hindustan Times

Link: <https://www.hindustantimes.com/cities/others/andhra-tourist-killed-in-fight-with-shack-staff-in-go-police-101735631012437.html> Hindustan Times

Date: December 31, 2024

- Trekking group caught in blizzard in Uttarakhand (Sahastra Tal), 9 members die — The Hindu

Link: <https://www.thehindu.com/news/national/karnataka/the-night-of-survival-on-a-mountain/article68309555.ece> The Hindu

Date: June 21, 2024 The Hindu