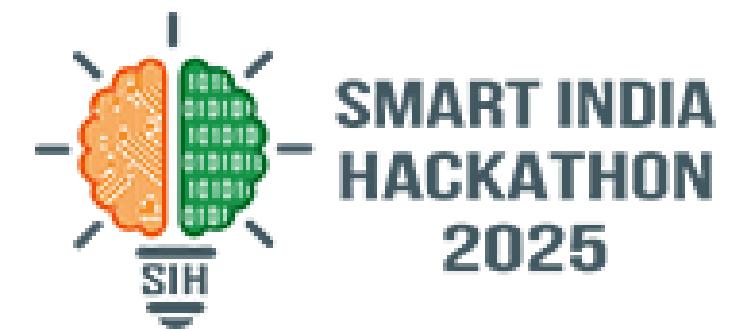
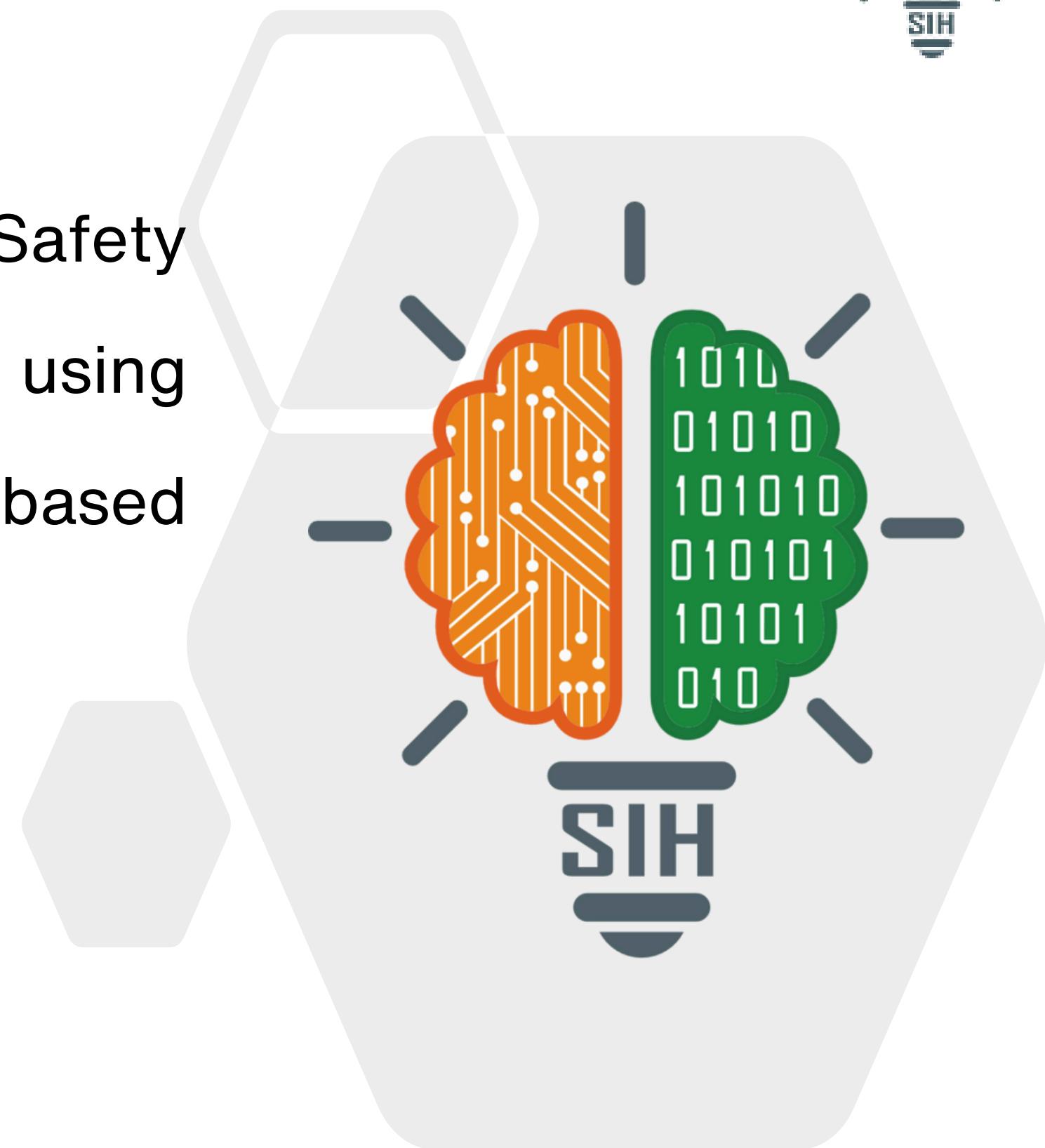


SMART INDIA HACKATHON 2025



- **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**



Tourist Safety - Application

► 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

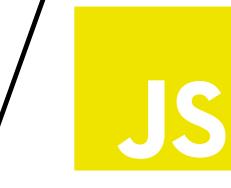
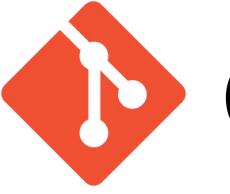
► Innovation & Uniqueness:

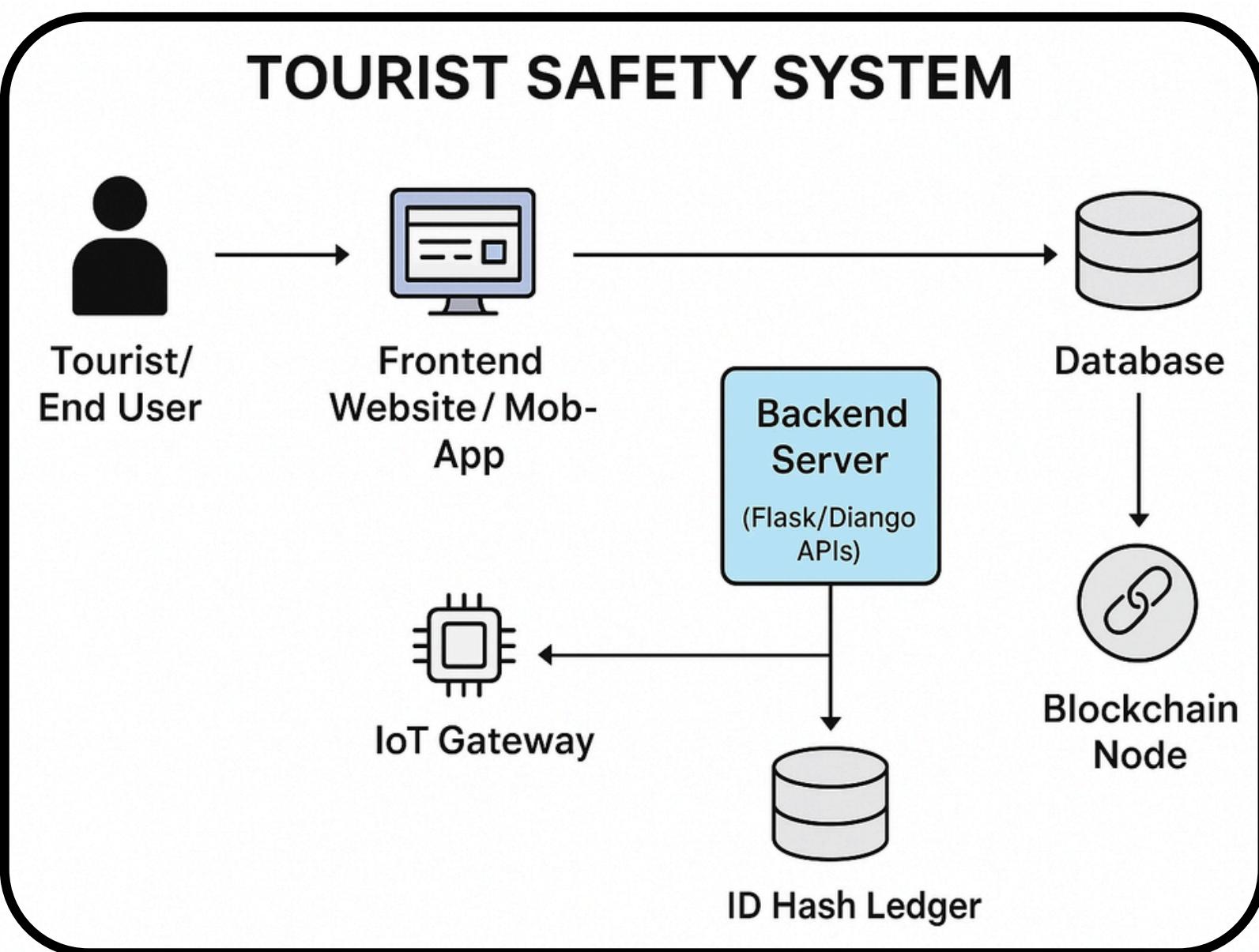
- AI + Blockchain + IoT + Geo-fencing integration
- Predictive safety & risk detection
- Blockchain-secured Digital IDs



TECHNICAL APPROACH

► Technology Stack:

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



► 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

IMPACT AND BENEFITS

► 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,

RESEARCH AND REFERENCES

- 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-goa-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-goa-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**