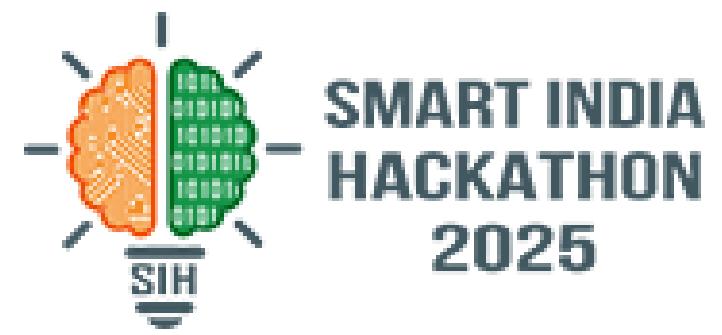


SMART INDIA HACKATHON 2025



TITLE PAGE

- Problem Statement ID – 25061
- Problem Statement Title- Digitize and Showcase Monasteries of Sikkim for Tourism and Cultural Preservation
- Theme- Travel & Tourism
- PS Category- Software
- Team ID- 72297
- Team Name- ForkMe



IDEA TITLE

Objective: A digital platform to **explore, archive, and virtually experience Sikkim's monasteries** designed for tourists, students, and researchers.

FEATURES

1. 360° Virtual Monastery Tours:

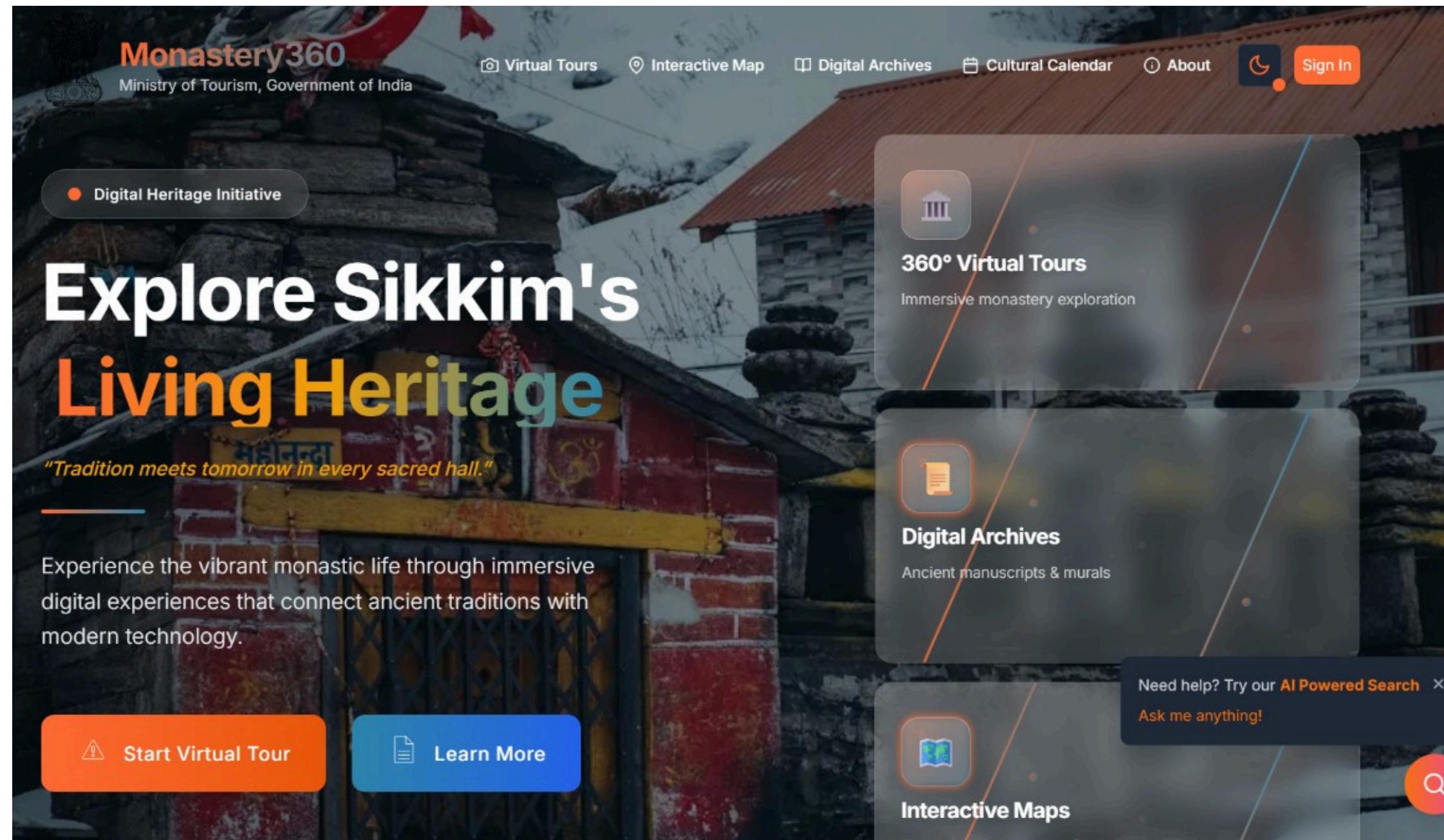
Immersive **panoramic experiences** of Sikkim's monasteries accessible to users worldwide.

2. Smart Audio Guide App:

Automatically plays **multilingual audio tours** offline based on location, ensuring seamless access.

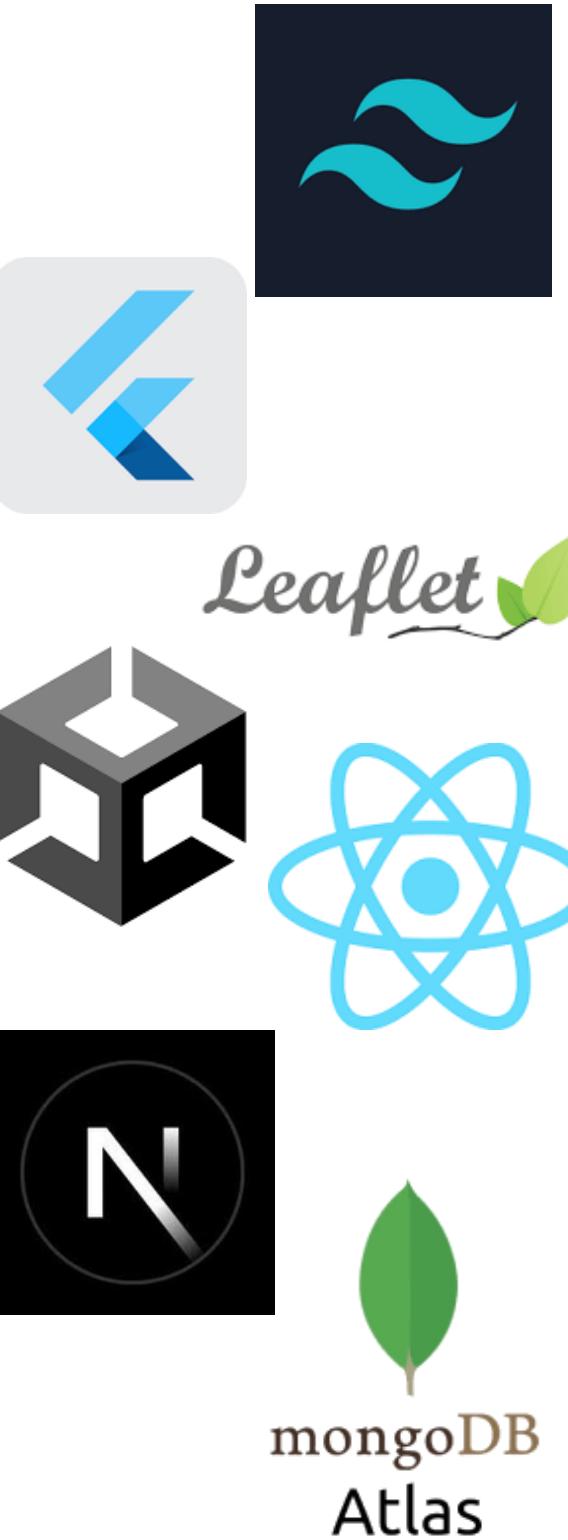
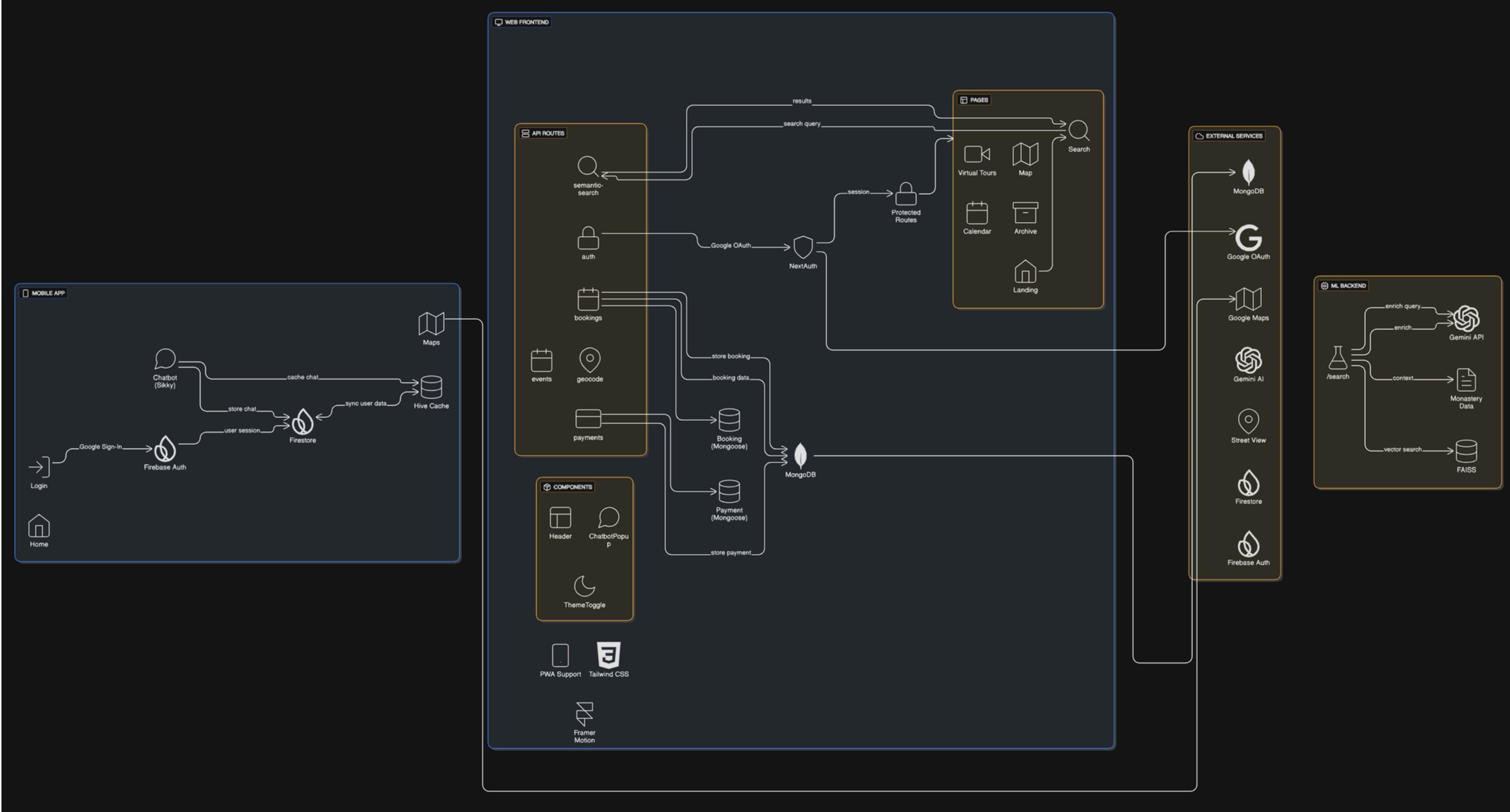
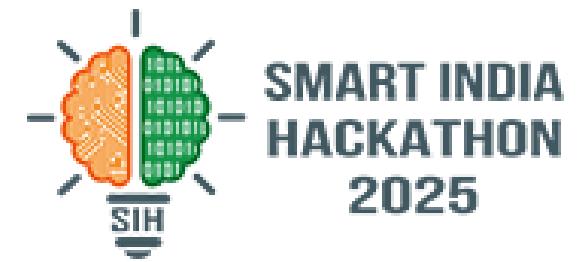
3. AR Integration:

Augments **real-world monastery views** with interactive digital content for immersive exploration.

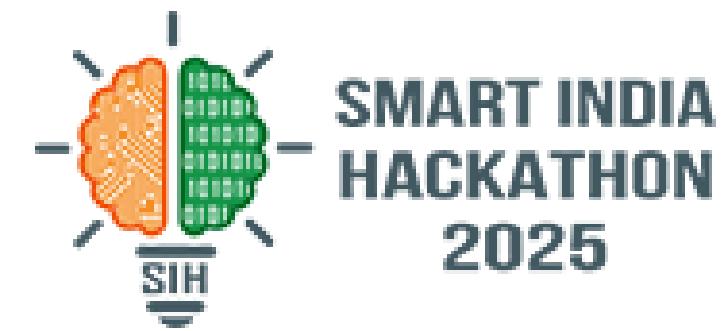


Click the image to access the full website

TECHNICAL APPROACH



FEASIBILITY AND VIABILITY



Feasibility Analysis-

- High tourism demand and growing interest in digital access for Sikkim's monasteries make the project technically and socially feasible.

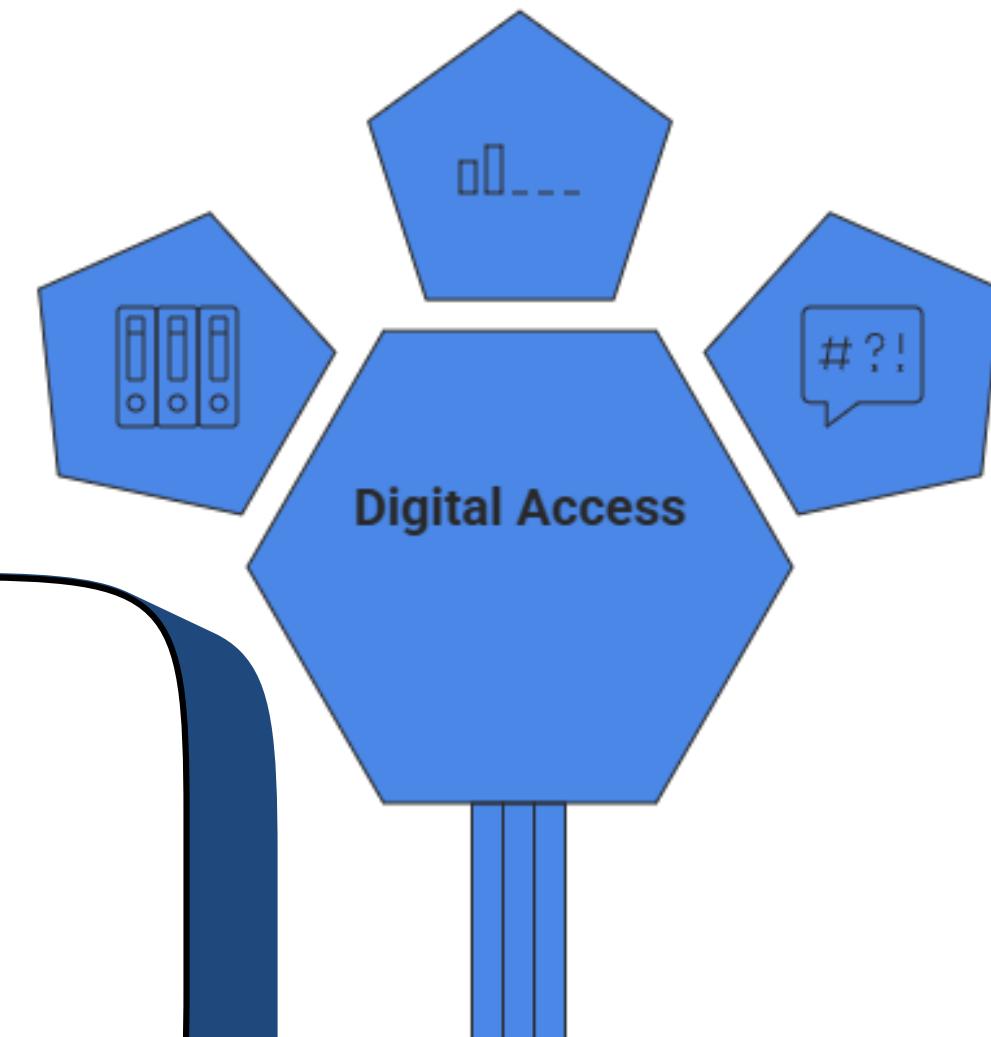
Challenges and Risks-

- Monastery data collection was challenging due to remoteness and scarce digital records. Connectivity issues and cultural misunderstandings also posed significant obstacles

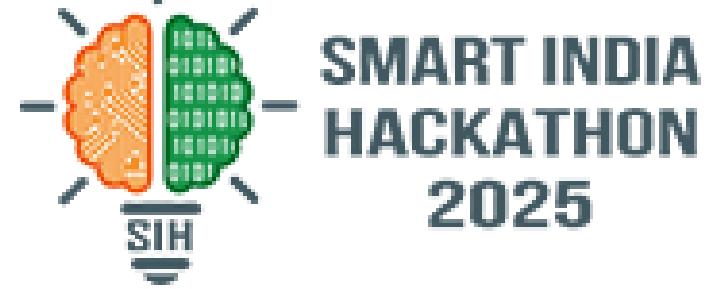
Strategies for Overcoming Challenges-

- Partner with local monastery authorities for data collection and cultural validation.
- Implement offline features, and regular community feedback loops to ensure data quality and cultural integrity.

Connectivity
Issues
Significant obstacles
posted



IMPACT AND BENEFITS



POTENTIAL IMPACT- Unlocks **immersive 360° monastery experiences**, drawing global tourists, inspiring students, and empowering locals to engage with Sikkim's cultural heritage like never before.

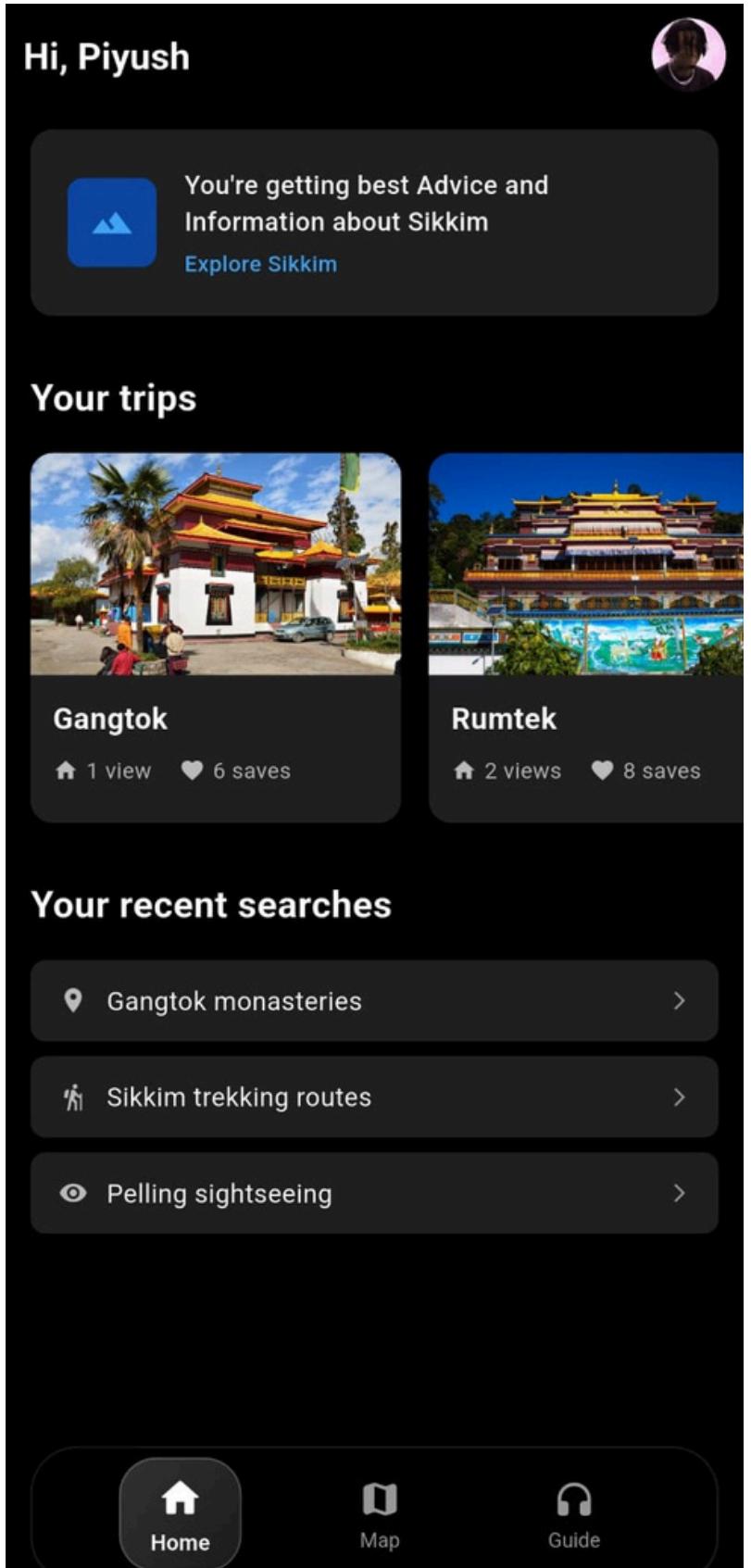
BENEFITS OF THE SOLUTION

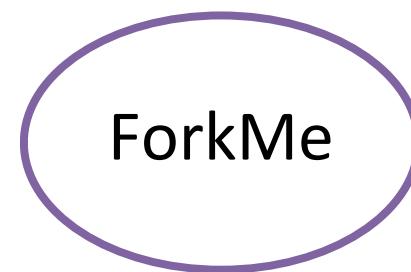
- **Heritage preservation** through digital archiving.
- Tourism growth by enabling **virtual and on-site exploration**.
- **Offline mode** and instant updates overcome connectivity barriers common in remote regions.
- Wider educational reach with **multilingual resources**.

FUTURE SCOPE

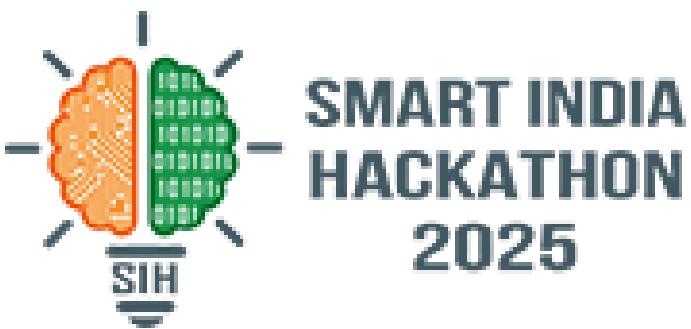
- **Global Access** – AR/VR opens remote monasteries and heritage to worldwide audiences.
- **Community Voice** – Locals can share stories and co-curate living archives.
- **Economic Growth** – Virtual tourism and digital events create sustainable revenue.

MONASTERY360 - MOBILE APP-





RESEARCH AND REFERENCES



Sikkim's Monastic Heritage:

In-depth study of monastery history, architecture, and culture.

<https://dspace.cus.ac.in/jspui/bitstream/1/7824/1/Yashasvi%20Sharma-History-MPhil.pdf>

Digital Preservation Techniques:

Case studies on laser scanning and 3D digitization of historic sites.

<https://cultureincrisis.org/projects/digital-preservation-laser-scanning->

AI in Heritage Conservation:

Insights on AI applications for artifact identification and cultural documentation.

<https://www.ultralytics.com/blog/ai-in-art-and-cultural-heritage-conservation>

Rumtek Monastery Documentation:

Official records and studies of Rumtek Monastery's cultural and historical importance.

<http://indianculture.gov.in/snippets/rumtek-monastery-gangtok>