

## 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.

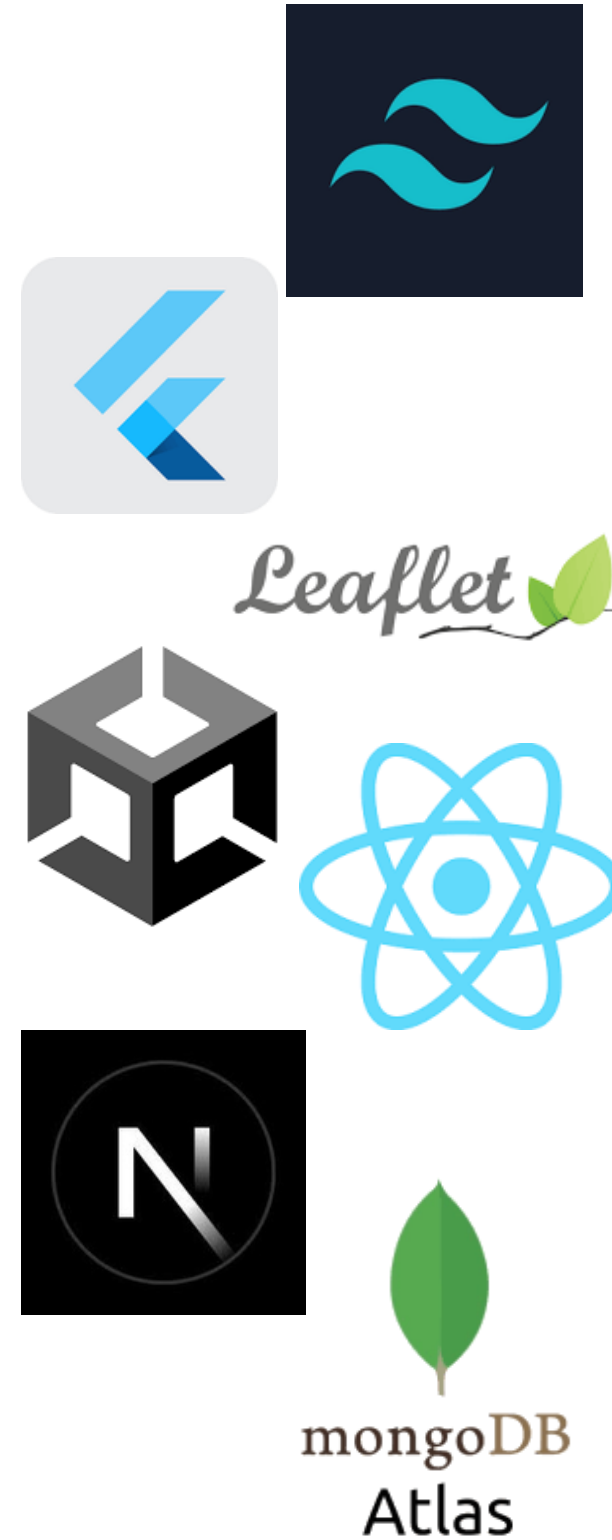
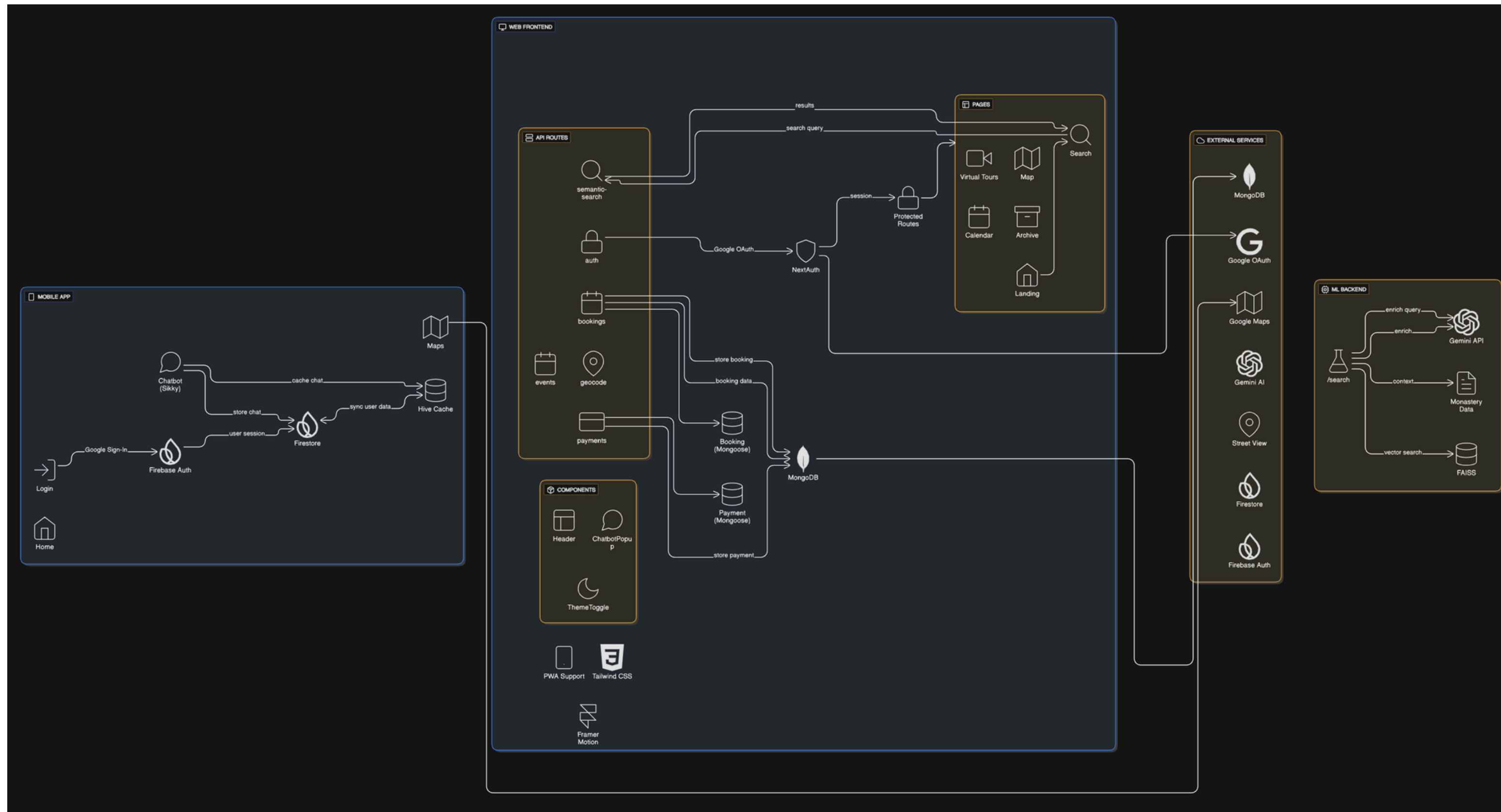
### 3. AR Integration:

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



*Click the image to access the full website*

# TECHNICAL APPROACH



## Feasibility Analysis-

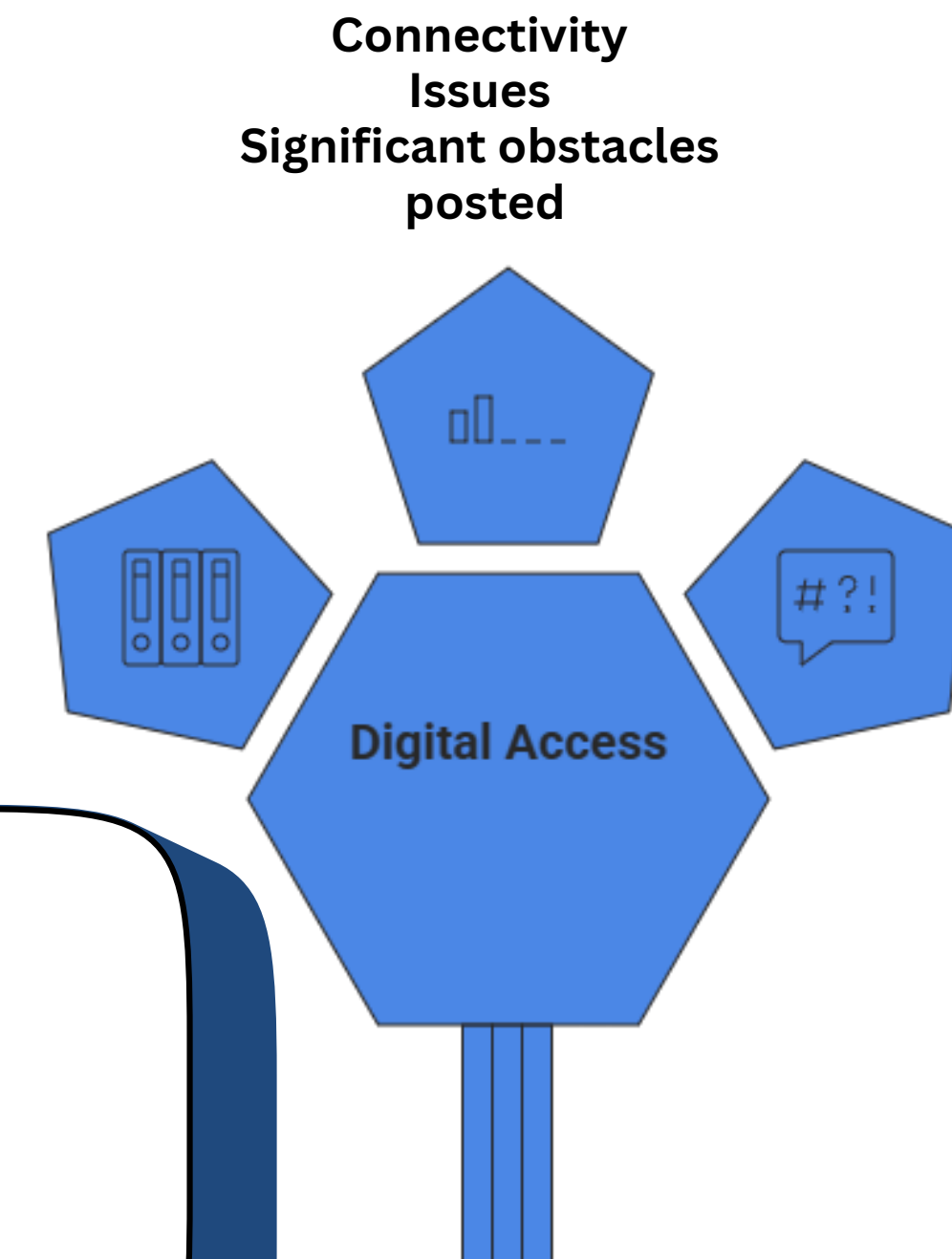
- **High tourism demand and growing interest in digital access** for Sikkim's monasteries make the project technically and socially feasible.

## 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.



**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.

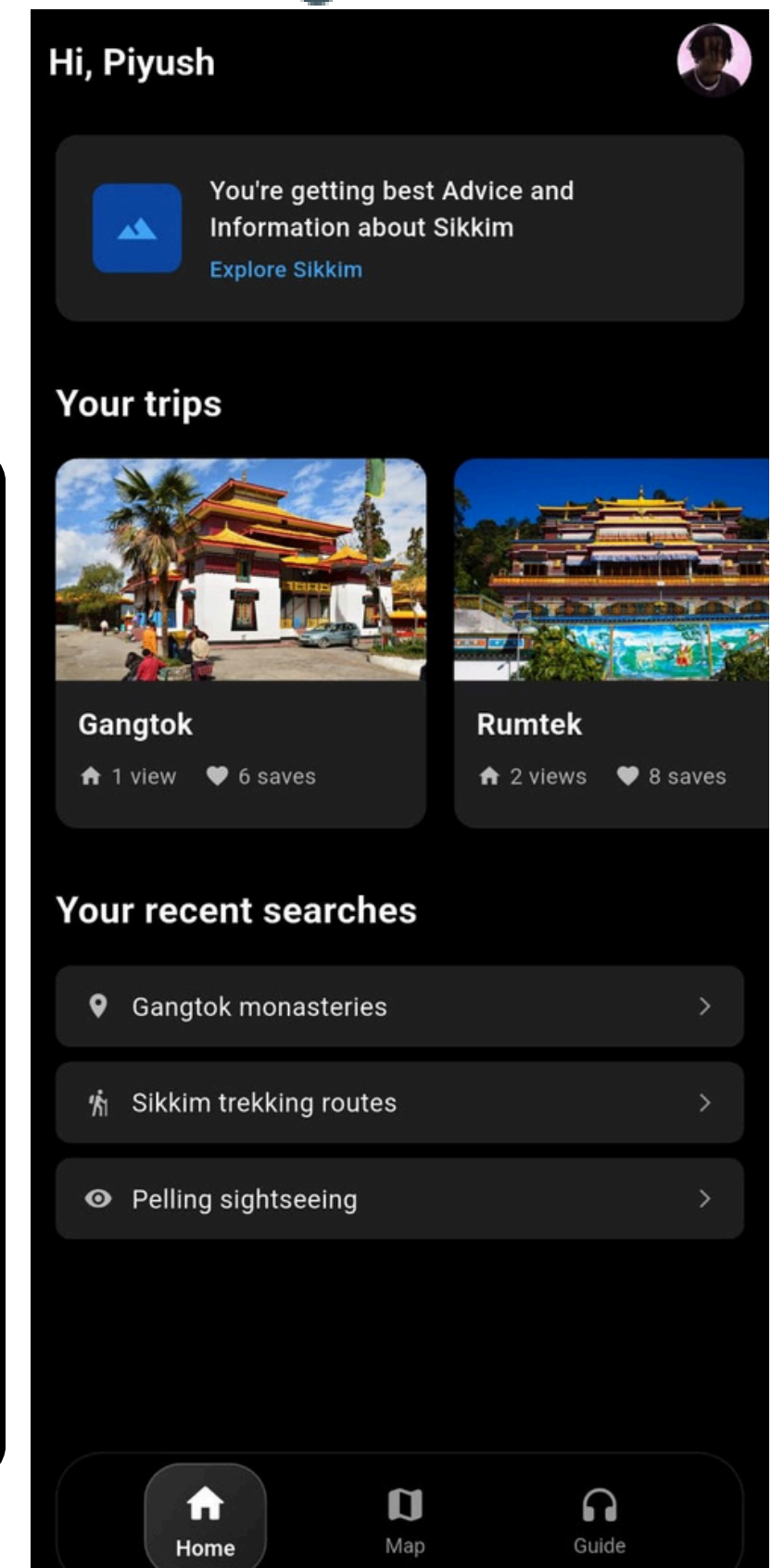
## BENEFITS OF THE SOLUTION

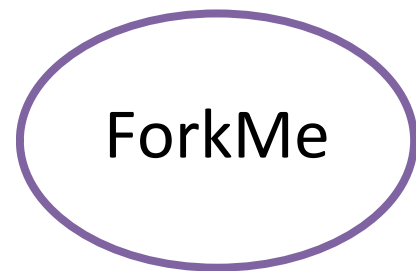
- **Heritage preservation** through digital archiving.
- Tourism growth by enabling **virtual and on-site** exploration.
- **Offline mode** and instant updates overcome connectivity barriers common in remote regions.
- Wider educational reach with **multilingual resources**.

## FUTURE SCOPE

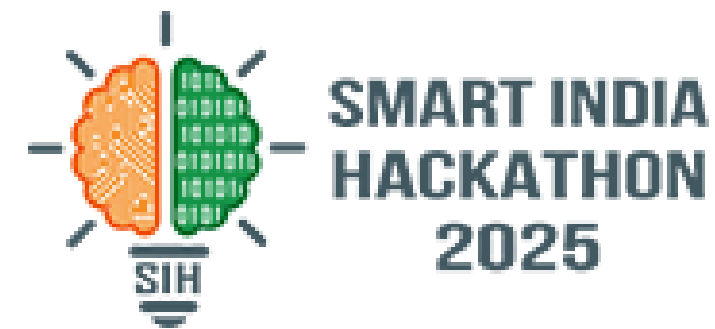
- **Global Access** – AR/VR opens remote monasteries and heritage to worldwide audiences.
- **Community Voice** – Locals can share stories and co-curate living archives.
- **Economic Growth** – Virtual tourism and digital events create sustainable revenue.

## 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>