


# TEAM DETAILS

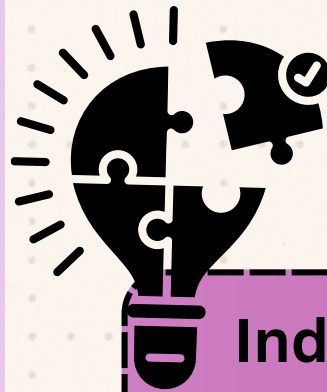


# HeritEdge

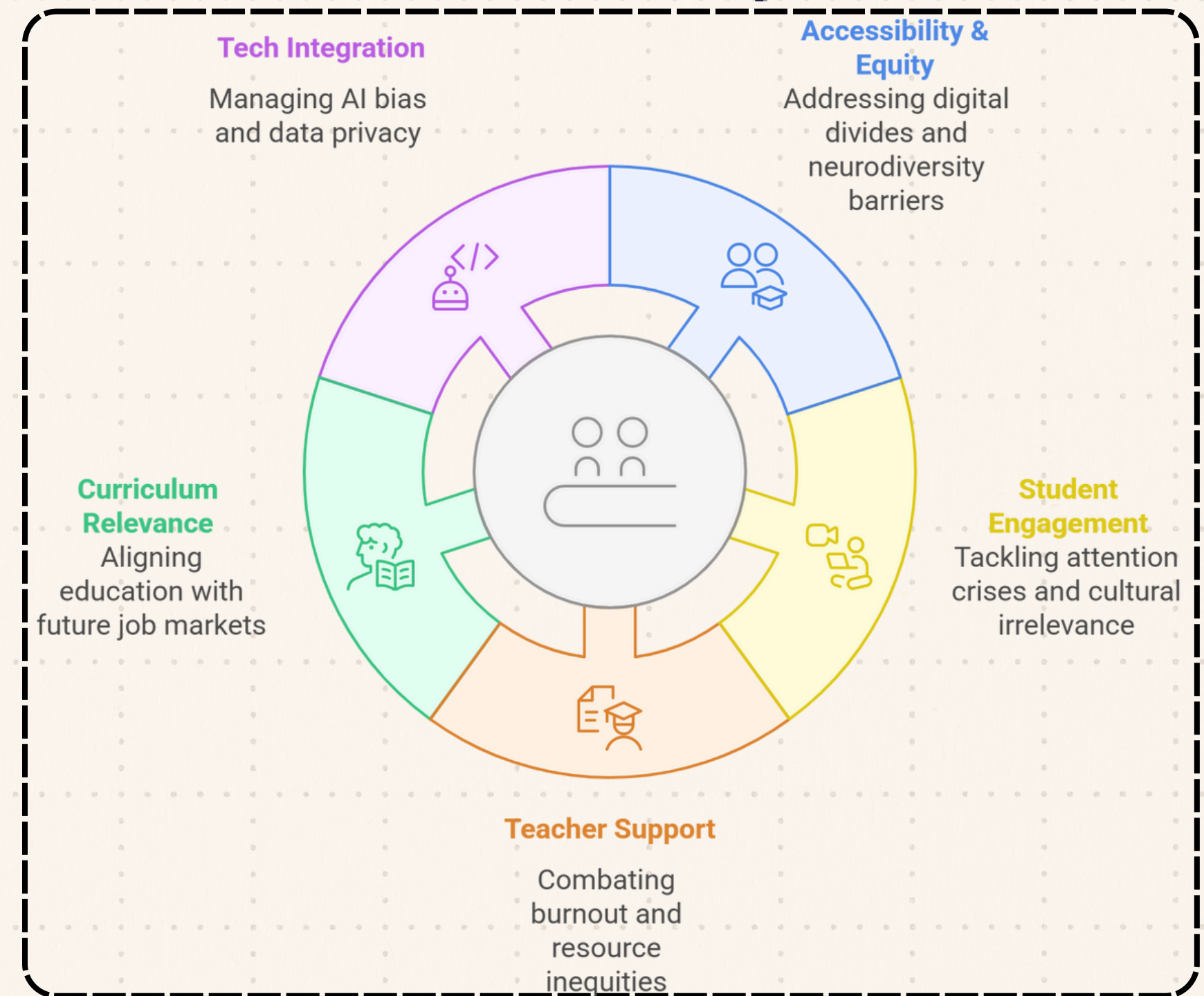
- Team Name: Snack Overflow
- Team Leader Name: Prathmesh Sayal
- Track: Boasting culture and tourism through tech



# PROBLEM STATEMENT



India's rich cultural heritage and vibrant tourism sector face significant challenges in leveraging technology to enhance visitor experiences, improve accessibility, ensure safety, and revamp digital marketing strategies. Current infrastructure gaps, accessibility barriers, safety concerns, and outdated marketing approaches hinder the full potential of India's cultural tourism.






# KEY FEATURES

## FEATURES



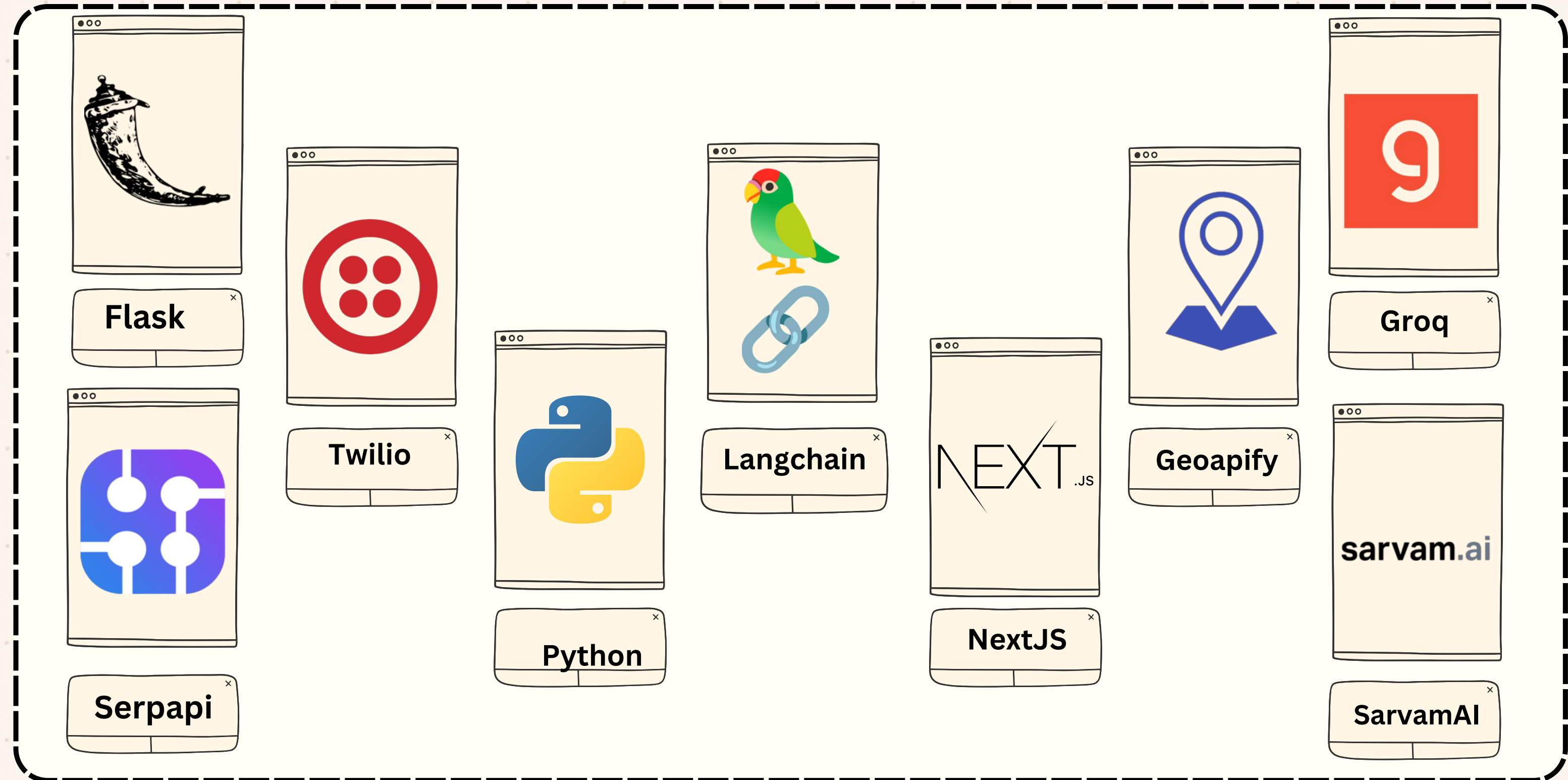
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## NOVELTY

Feature	Existing Solutions	Limitations	Proposed Solution Advantages	Innovation Justification
AR Audio + Object Detection	- JATAN virtual museum builder with GIS mapping <a href="#">[1]</a>	- Limited to museum contexts without real-world site integration	- Context-aware AR across 30,000+ heritage sites with multi-language support <a href="#">[2]</a> <a href="#">[3]</a>	- Combines spatial computing with cultural storytelling for immersive site exploration <a href="#">[2]</a> <a href="#">[3]</a>
Conversational AI Chatbot	- MP's AI chatbots for ticket bookings [Context]	- Transaction-focused without cultural context	- NLP-driven recommendations linking historical data with traveler preferences <a href="#">[4]</a> <a href="#">[5]</a>	- Integrates UNESCO heritage databases with real-time visitor analytics <a href="#">[1]</a> <a href="#">[6]</a>
Gamified Cultural Engagement	- GetYourGuide's activity bookings [Context]	- Passive experience purchasing	- Geo-tagged challenges across 150+ lesser-known ASI sites with social sharing <a href="#">[1]</a> <a href="#">[5]</a>	- First gamification framework certified by Ministry of Tourism <a href="#">[1]</a>
AI-Based Ticketing	- IRCTC's online reservations <a href="#">[4]</a>	- Static pricing models	- Dynamic pricing algorithms reducing peak crowds by 40% at Taj Mahal/Varanasi <a href="#">[6]</a> <a href="#">[7]</a>	- Machine learning models trained on 10-year visitor patterns <a href="#">[6]</a> <a href="#">[7]</a>
Travel Agent Ecosystem	- Thomas Cook's packaged tours <a href="#">[4]</a>	- Centralized operator-controlled itineraries	- Blockchain-powered decentralized marketplace connecting 5,000+ local guides <a href="#">[1]</a> <a href="#">[8]</a>	- First platform enabling direct microtransactions between travelers and hyperlocal experts <a href="#">[1]</a> <a href="#">[9]</a>
Decentralized Storage	- OneTAC's stakeholder platform [Context]	- Centralized government-controlled data	- IPFS-based artifact preservation with NFT-based cultural asset authentication <a href="#">[10]</a> <a href="#">[10]</a>	- Compliant with NDSA standards for digital heritage preservation <a href="#">[11]</a> <a href="#">[12]</a>
VR Integration	- Rajasthan's 3D-GIS virtual tours [Context]	- Pre-recorded linear experiences	- Haptic VR recreations of 50+ lost monuments (e.g., Nalanda) with scholar commentary <a href="#">[13]</a> <a href="#">[14]</a>	- Partners with IITs for archaeological accuracy <a href="#">[13]</a> <a href="#">[15]</a>

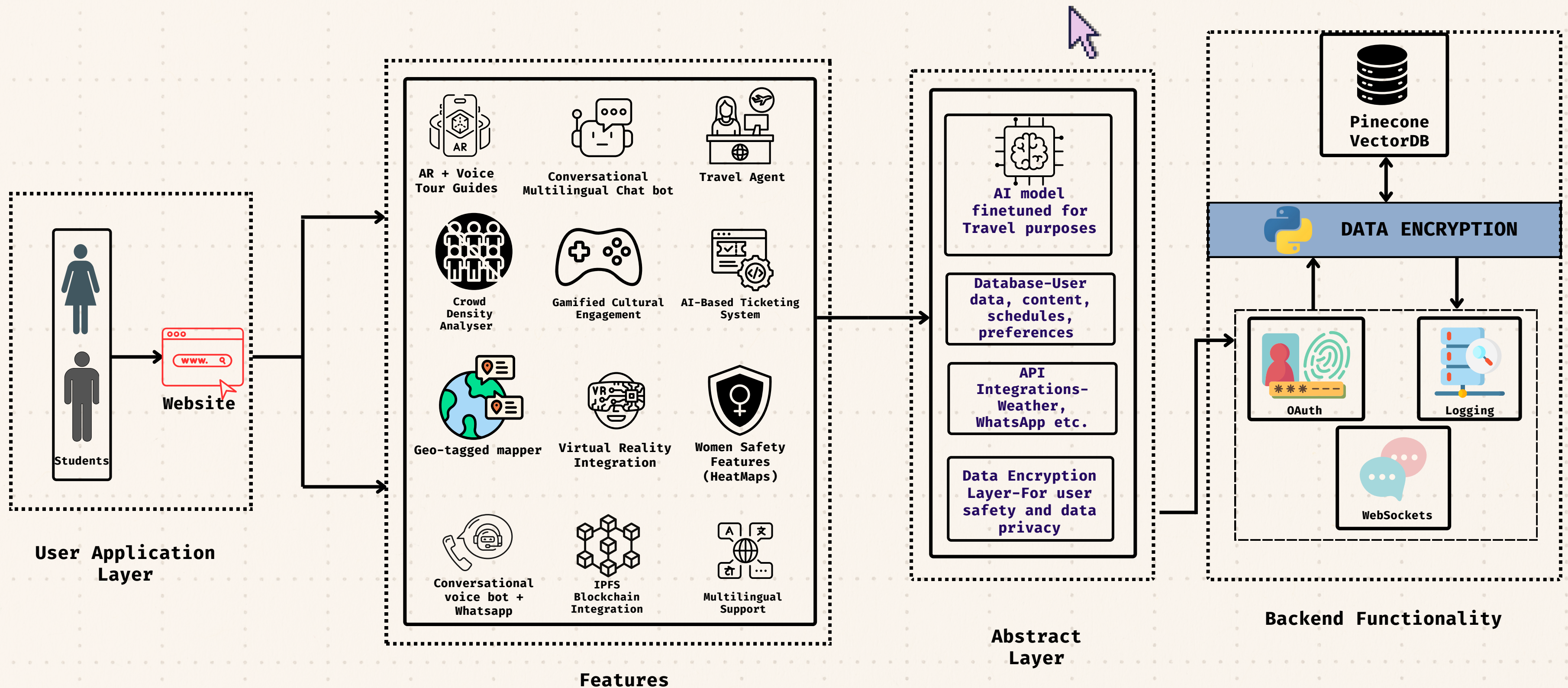


# TECH STACK





# PROCESS FLOW





## TEAM MEMBERS DETAILS

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