

Event Companion App with Livestream & Digital Services

ABSTRACT

This project proposes a mobile application designed to enhance participation in wedding and traditional events. It enables remote guests to join through private livestreaming, send digital gifts, interact with organizers, and verify invitations securely.

PROBLEM STATEMENT

Guests who cannot attend events physically have limited ways to participate. Organizers also lack a centralized platform for livestreaming, guest management, or receiving digital gifts. This project bridges these gaps.

OBJECTIVES

- Provide a secure private livestream for remote guests.
- Enable digital gift sending via integrated payment gateways.
- Implement user verification for event access.
- Support vendor and partner integrations.
- Build a scalable backend for multi-event usage.

SYSTEM ARCHITECTURE

The architecture consists of:

1. Mobile App – Livestream, gifting, verification.
2. Admin Dashboard – Event analytics, guest control.
3. Backend API – Authentication, payments, streaming systems.

MODULES

- User Login & Verification
- Livestream Module
- Digital Gift Sending System
- Vendor Integration
- Payment Gateway Module
- Admin Event Panel

TECH STACK

- Frontend: Flutter / React Native
- Backend: Node.js / Django
- Database: PostgreSQL / MongoDB
- Streaming: HLS / RTMP
- Cloud: AWS / Firebase

FUTURE SCOPE

- Expand to full event marketplace
- AI-based matchmaking suggestions
- AR-based virtual event attendance
- Smart recommendation system
- Multi-language support