***Startup Prototype Developing***

**Technical Summary**

| **Area** | **Stack/Tools Used** |
| --- | --- |
| Backend | Node.js, Python, AWS, Redis, MongoDB, PostgreSQL |
| Frontend | ReactJS, Flutter, Kotlin, WebSockets |
| AI/ML Models | Collaborative filtering, Time-based personalization |
| Payment System | PayEazy (Razorpay, PCI-compliant), ML for fraud detection |
| APIs & Integrations | Google Maps, TripAdvisor, Razorpay, Firebase, WebEngage |
| Restaurant SaaS | LiveTable (booking, layout, analytics) |

**Objectives:**

**🧑‍💼 For Customers:**

* **View real-time availability of rooms and tables**
* **Book rooms or reserve tables instantly**
* **Receive SMS or WhatsApp confirmations**
* **Simple UI for elderly or low-tech users**
* **Multi-language support (e.g., English, Hindi, regional)**

**🧑‍🍳 For Hotel/Restaurant Owners:**

* **Dashboard to manage bookings and cancellations**
* **Set and update availability manually or automatically**
* **Daily/weekly booking overview**
* **Offline-first functionality with auto-sync when online**
* **Staff management and reminders**

**📈 Expected Impact:**

* 💡 Simplifies the booking process for both service providers and customers
* 💡 Reduces customer wait time and improves satisfaction
* 💡 Prevents double-bookings and improves inventory management
* 💡 Helps small businesses grow with minimal digital investment

**🔄 Future Scope:**

* Payment gateway integration (UPI, QR code)
* Local tourism suggestions based on booking area
* Analytics for owners to track demand
* Voice command bookings for accessibility