

# **Project Proposal**

## **Sindhi Namkeen & Dry Fruits**

### **E-Commerce Platform Development**

#### **1. Introduction**

This proposal outlines the development of a complete e-commerce platform for Sindhi Namkeen & Dry Fruits. The goal is to transform the existing website into a modern online store that allows customers to browse products, place orders, and make secure online payments while enabling efficient business management.

#### **2. Project Objective**

The objective of this project is to establish a professional online sales channel, improve customer convenience, automate order handling, and create a scalable digital foundation for future business growth.

#### **3. Scope of Work**

The scope includes development of a customer-facing shopping website, backend system, admin dashboard, payment processing, secure data storage, and performance optimization.

#### **4. Customer Website Features**

Customers will be able to browse products by category, view product details, add items to a cart, complete secure checkout, track orders, download invoices, and manage their accounts.

#### **5. Admin Dashboard Features**

The admin dashboard will allow product management, inventory tracking, order management, customer management, and access to sales reports and insights.

#### **6. Payment & Transaction Handling**

The platform will support secure online payments through UPI, cards, and net banking, with automatic verification, refund handling, and payment security compliance.

#### **7. Backend System**

The backend will manage authentication, orders, payments, inventory, notifications, and data security. It will be built using Flask and FastAPI to ensure reliability and scalability.

## **8. Data & Security**

All business and customer data will be securely stored with encrypted access, regular backups, and strict access control to protect against unauthorized usage.

## **9. Performance & Quality**

The platform will be optimized for fast loading, mobile responsiveness, smooth user experience, and long-term scalability.

## **10. Development Phases & timeline**

Phase 1: Foundation Setup (2 days)

Phase 2: Core Shopping Features (1 week)

Phase 3: Checkout & Payments (1 week)

Phase 4: Admin Dashboard (1 week)

Phase 5: Enhancements & Optimization (2 days)

Phase 6: Testing & Launch (3 days)

## **11. Pricing, costs, and team**

Team size: 2

Cost: **\$50-60 per month** (render and supabase cost, might need to be upgraded to AWS based on requirement)

Development cost: **INR 25,000/-**

**30 days** website completion (development and production), with **15 days** contingency.

## **12. Business Benefits**

The platform will increase sales reach, operate 24x7, reduce manual workload, improve inventory control, enhance customer experience, and support data-driven decision making.

## **13. Future Expansion Ready**

The system will be designed to support future enhancements such as mobile apps, subscriptions, bulk orders, loyalty programs, and marketing integrations.

## **14. Conclusion**

This project will provide Sindhi Namkeen & Dry Fruits with a secure, scalable, and professional e-commerce platform focused on business growth, customer trust, and operational efficiency.