

SOHAM LONKAR

Full Stack Developer • AI & Tech Enthusiast • VIT Pune 2028

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PROFILE

Full Stack Developer and founder building scalable, AI-augmented web applications that deliver real business value for clients. Blends strong engineering in modern full-stack and LLM-driven systems with a marketing mindset built through leading brand-partnership and outreach campaigns. A confident communicator who bridges technical teams and business stakeholders, and a fast, curious learner always adopting new tools and AI capabilities to stay ahead.

SKILLS

AI, LLMs & Automation: Large Language Models (LLMs) • Retrieval-Augmented Generation (RAG) • Prompt Engineering • LLM API Integration (OpenAI, Anthropic) • AI Workflow Automation • Generative AI Application Development

Frontend Development: Next.js (App Router, SSR, ISR) • React.js (Hooks, Context API) • TypeScript • Tailwind CSS • ShadCN UI • HTML/CSS • JavaScript

Backend Development: Node.js • Express.js • REST API Development • Firebase Cloud Functions (gen2) • Authentication (JWT, OAuth 2.0, RBAC) • Custom Token Auth & Claims

Database & Data: PostgreSQL • Firestore • MySQL • MongoDB • Prisma ORM • Firestore Security Rules • Database Design • SQL

Cloud, DevOps & Infrastructure: Cloudflare (Pages, Workers, Pages Functions, DNS, Rulesets API) • Vercel • Firebase (Firestore, Storage, Auth, Functions) • Supabase • GitHub Actions CI/CD • Edge Caching & Performance Tuning • Environment & Production Configuration

Mobile & Real-Time Systems: React Native • Expo • WebSockets • Socket.io • ESC/POS Thermal Printing (Bluetooth, TCP 9100) • Offline-First Sync

SEO & Growth Engineering: Technical SEO • Structured Data (Schema.org JSON-LD) • Google Search Console API • Core Web Vitals • Playwright • Answer Engine Optimization (AEO)

WORK EXPERIENCE

Founder

2026 - Present

SoLo Developers • company.sohamlonkar.com

- Built and launched The Vault Tags (solosmarttag.com), an NFC digital memory tag product on Cloudflare Pages and Firebase - cut cold page load from 1.9s to 478ms (126ms warm) with an edge-cache proxy on Pages Functions, Firestore REST reads in place of the client SDK handshake, and route-level code splitting that took the gallery bundle from 886 KB to 3 KB. Sold 100+ units in the first month.
- Architected a multi-tenant deployment model on <client>.solosmarttag.com - an isolated Pages project per client with links derived from window.location.origin, so a full domain migration required zero code changes and every previously sold tag kept resolving. Live for Vishwakarma Group of Institutions and YD Cafe.
- Built SoLo Billing, a billing and point-of-sale system for cafes and hotels - a single Android app serving four privilege tiers (owner, waiter, kitchen and bar station, reception) with least privilege enforced in Firestore security rules and verified at the database layer against real per-role tokens (13/13 security tests passing). ESC/POS thermal printing over Bluetooth Classic and TCP 9100. Deployed across 15+ venues.
- Delivered technical SEO for Root Cure Dental (dishasrootcure.com), reducing technical SEO issues from 31 to 6 (all low severity) with Dentist LocalBusiness and BlogPosting structured data, self-referencing canonicals across 41 pages, and a www-to-apex 301 via the Cloudflare Rulesets API.
- Built seo-toolkit, an internal domain-agnostic Node CLI on the Google Search Console and Cloudflare APIs that audits, benchmarks and remediates any client domain from a single command.

Full Stack Web Developer

Jan 2025 - Present

Freelancer | Pune, India

- Designed and deployed scalable full-stack applications using Next.js, React, Node.js and PostgreSQL, improving application performance and responsiveness.
- Built a complete SEO-optimized website for Rootcure Dental Clinic (dishasrootcure.com) that drew over 15,000 page views in its first month.
- Developed REST APIs and integrated Supabase with Prisma ORM for efficient database management, reducing query execution time by 35%.
- Ship and maintain client sites on Cloudflare Pages and Vercel with GitHub Actions CI/CD, DNS and TLS managed end to end.

Database Coordinator

2025 - 2026

CSI Club, Vishwakarma Institute of Technology (VIT), Pune

- Managed structured databases for club events and operations, ensuring data accuracy for 200+ members.
- Led and supervised a team of 5 volunteers, coordinating event logistics and task delegation.
- Built and deployed an internal web tool to digitize member registration and event tracking, cutting manual data-entry time for the club by over 50%.

Sponsorship Head

2024 - 2025

VIT Pune Event Organisation

- Directed the end-to-end sponsorship outreach strategy for VIT Pune Event Organisation, building and managing partnership pipelines with 10+ brands across industries to fund large-scale college events.
- Successfully pitched and secured a flagship sponsorship deal with Royal Enfield for a major VIT event in 2025, strengthening the college's brand partnerships and event credibility.
- Negotiated and closed sponsorship deals with budgets exceeding Rs. 1 Lakh for major college events, ensuring adequate funding for logistics, promotions and on-ground execution.

PROJECTS	
The Vault Tags - NFC Digital Memory Tag Platform	solosmarttag.com
Multi-tenant NFC product platform on Cloudflare Pages and Firebase (Firestore, Storage, Cloud Functions gen2, custom-token auth). A tap on a physical tag opens a private media vault. Cut cold load 1.9s to 478ms via an edge-cache proxy and Firestore REST reads; gallery bundle 886 KB to 3 KB through route-level code splitting. 100+ units sold in month one, with white-label deployments live for Vishwakarma Group of Institutions and YD Cafe.	
SoLo Billing - Billing & POS System for Cafes and Hotels	
Android billing and point-of-sale application with a full-stack backend, serving four privilege tiers from one app - owner, waiter, kitchen and bar station, and reception - with least privilege enforced in Firestore security rules and verified at the database layer using real per-role tokens. ESC/POS thermal receipt printing over Bluetooth Classic and TCP 9100. In daily use across 15+ cafes and hotels.	
Rootcure Clinic - Full-Stack Website, Appointment System & Technical SEO	dishasrootcure.com
SEO-optimized full-stack website and appointment management system built with Next.js, Node.js and PostgreSQL - 15,000+ page views in the first month. Follow-on technical SEO engagement took the site from 31 issues to 6 (all low severity) with LocalBusiness and BlogPosting JSON-LD, canonical coverage across 41 pages, and a www-to-apex 301 via the Cloudflare Rulesets API.	
Pizza Affairs - Restaurant Booking & Ordering Platform	
Next.js 16 and Firestore booking platform for a restaurant client, covering table reservations, menu management and an admin console, deployed with server-side rendering and an ISR content layer.	
Ripples Resort - AI-Integrated Restaurant Ordering & Kitchen Management App	
Ordering and kitchen management application that routes table orders to the manager, kitchen and bar, with an AI assistant that recommends menu items to diners. In test phase at Ripples Lakeside Resort, Katraj.	
Taskora - AI Task Management Platform	taskora.sohamlonkar.com
AI-powered task automation platform built with the OpenAI API, Next.js, Node.js, PostgreSQL and Prisma, with LLM-based task suggestions and automation workflows.	
SmartCard - NFC Digital Business Card	smartcard.sohamlonkar.com
Contactless NFC business card web app with vCard export and live resume delivery, shipped through a GitHub Actions pipeline that builds and deploys to Cloudflare Pages on every push.	
LaserSafe - IoT Laser Breach Detection System (<i>Best Paper Award - IEEE CCGE-2026</i>)	
Detects intrusion when someone crosses an invisible laser tripwire using LDR threshold monitoring, and instantly alerts the user via Telegram messages, calls and automated gate locking.	
EDUCATION	
Vishwakarma Institute of Technology (VIT), Pune	
B.Tech in Information Technology Expected Graduation: 2028 CGPA: 8.39	
SJV, Pune	
HSC (12th Standard) Percentage: 81%	
St. Sebastian High School, Pune	
SSC (10th Standard) Percentage: 87%	
PUBLICATIONS	
- Co-authored "IoT-Enabled Smart Home Security System Using ESP32 and ESP32-CAM with Real-Time Visual Monitoring via Web Dashboard and Automated Locking Mechanism," published in 2nd IEEE International Conference on Computing, Communication and Green Engineering (CCGE-2026), 2026. IEEE Xplore - Co-authored "IoT-Enabled Vehicle Accident Detection System Using ESP32 with GPS Tracking and Dual-Channel Emergency Alerts via GSM-SMS and Telegram Bot," published in Proceedings of the 1st Engineering Data Analytics and Management Conference (EAMCON), Springer Nature (Atlantis Press), Nov 2025.	
CERTIFICATIONS & ACHIEVEMENTS	
Certifications: - Generative AI with Diffusion Models - NVIDIA View Certificate - Applications of AI for Anomaly Detection - NVIDIA View Certificate - Transformer-Based NLP Applications - NVIDIA View Certificate	
Achievements: - Best Paper Award - 2nd IEEE International Conference (CCGE-2026), organized by RSCOE and the IEEE Pune Section 10+ Live Web Properties Deployed & Maintained - Launched an e-commerce store for a self-made hardware product - Built a mobile billing application solving billing operations for 15+ businesses 2 Research Papers Published 1 Ongoing Patent - Hardware Product	
INTERESTS	
Artificial Intelligence • System Design • Generative AI Applications • AI Solutions for Business • Open Source Projects • AI-Augmented SaaS Development	