SMITH MANKAR

Full-stack developer · AI · Data analytics

Based in India · IST (UTC+5:30) · Works remotely
hello@smithmankar.co.in · smithmankar.co.in · linkedin.com/in/smith-mankar-334049229 · github.com/smithmankar

SUMMARY

Head of Development & Analytics at Sage Sparrows, building production internal tools, automation systems and AI-powered pipelines. My work spans frontend, backend and data/AI: real-time platforms teams use daily, storefronts, ad analytics, an on-device model, and 3D and video work. Case studies with the numbers: smithmankar.co.in.

SELECTED RESULTS

~70%	more tasks shipped a month on SparrowOS, the platform a 15-person agency runs on (about 30 to 50-55)	**160 → 300+**	Verte orders a month: best month before I took over, then July to September 2026 (Shopify)
1,603	Meta leads for a real-estate developer at about ₹183 ($2) each	**16h → 1.5h**	manual workload cut by automation at Muskurahat Foundation
698	leads piped into sales sheets since July; 36 analytics reports delivered	**143**	stores on one searchable map for Alexandre Christie

EXPERIENCE

Head of Development & Analytics · Sage Sparrows

Late 2025 to present

- Built SparrowOS to bring the entire company under one platform, replacing fragmented Google Sheets and WhatsApp workflows and taking tasks shipped from about 30 a month to 50-55
- Built the native SparrowOS Mac app (16 releases through its own updater) and trained Atlas 1.0, the on-device model behind its voice and typed commands
- Moved company email, calendars and file storage in-house on a self-hosted Stalwart server, with mail and Drive inside SparrowOS
- Built Verte's commerce stack: the global storefront at vertewatches.com (Next.js + Stripe), a commerce platform and admin, profit analytics and a checkout health monitor
- Developed 5 production Shopify themes (Verte, Alexandre Christie, Season Earth, Helios, Wayo), including bespoke launch pages for Project Karbon, Karbon Speciale, URBN, Cosmic and Black Forge
- Run Meta ads and analytics for the agency's brands: Verte's best month went from 160 orders to over 300 while we ran its stores and ads, and 36 reports have been delivered
- Built lead and abandoned-cart pipelines into Google Sheets (698 leads since July) and a warranty claims flow for watch brands
- Built client websites: Sage Sparrows, Beyond Horizon, Ramee BlueNeck and WatchQube
- Built Claude tooling: house analytics skills and MCP servers for SparrowOS and Reddit Ads
- Built an AI product shoot pipeline replacing physical photoshoots, saving clients lakhs in production costs
- 3D and video: a real-time Karbon viewer with an accurate movement and hand sweep, factory CAD for a new titanium watch, and colour grades, 4K roto and kinetic captions done in code
- Created Sparrow Git, a VS Code extension for team Git workflows

Personal projects

Ongoing

- NEET-UG prep app (Kotlin, Jetpack Compose): 2,420 past-paper questions and a Claude tutor running on my home server
- IITM Companion: an iOS study app with AlarmKit timers, Live Activities and its own Swift sync server
- Minutes: a private, hash-chained work log for macOS
- Home automation: decoded the Lloyd AC's IR protocol into a custom Home Assistant integration
- Home server and personal domain: my services in Docker, behind Cloudflare tunnels

Automation & Dev Intern · Muskurahat Foundation

2025

- Reduced 16 hours of manual workload down to 1.5 hours through automation, a 90% time saving
- Built an ML lead rating system using text embeddings and cosine similarity
- Created a Discord bot with a Google Sheets leaderboard integration
- Automated WhatsApp outreach via the WATI API
- Wrote 10+ Google Apps Scripts for data, email and call automation

SKILLS

Frontend	React, TypeScript, Tailwind CSS, Framer Motion, Vite, Next.js, Shopify Liquid
Backend	Node.js, Express, MySQL, WebSocket, REST APIs, Stripe
AI / ML	Python, Apple MLX fine-tuning, Ollama / DeepSeek, Gemini API, Claude API, scikit-learn, Pandas / NumPy
Native apps	Swift (iOS, macOS), Kotlin (Jetpack Compose)
Ads & analytics	Meta Ads, Google Analytics 4, Shopify analytics, reporting
Tooling	VS Code extensions, Google APIs, Google Apps Script, Docker, Cloudflare, Home Assistant
3D & video	Blender, colour grading, roto and captions in code

EDUCATION

BS in Data Science and Applications · IIT Madras

In progress

B.E. in Artificial Intelligence and Data Science · RGIT, University of Mumbai

Left for the IIT Madras BS

- Vice President, CRID, the Data Science department's student body
- General Secretary, IIC / Entrepreneurship Cell

Junior college · Lakshya Prep, Thane

School · St. Xavier's, Airoli