

Hemant Suthar

Product Developer · Windows desktop software, shipped end to end

Mumbai, India · +91 6375724545 · sutharh2820@gmail.com

hemantsuthar.vercel.app · linkedin.com/in/hemant-suthar · github.com/ihemant2810

SUMMARY

I ship Windows software on my own, including the parts most developers never touch: offline licensing, installers, Microsoft Store certification, payment webhooks, support.

Four products are live today. One is published on the Microsoft Store. Two are sold to sportswear manufacturers who run daily production on them. One is a store taking live payments. I work AI-first with Claude Code, which is why one person can carry seven applications from idea to installer in a year.

SHIPPED PRODUCTS

Vault X · *published on the Microsoft Store, free*

apps.microsoft.com/detail/9PBH9W19KRWF

C# · .NET 8 · WinUI 3 · SQLCipher · Argon2id · AES-256-GCM

An offline encrypted file vault: no account, no server, nothing uploaded. Envelope encryption: a random 256-bit data key wrapped separately under the user's PIN (Argon2id), a recovery phrase, and optionally Windows Hello, so only wrapped values ever reach disk. A decoy PIN opens a different vault, and both unlock in equal time so there is no timing tell. I took it through MSIX packaging, WACK, age rating, privacy policy, and the written justification for the restricted file-system capability the app needs. 97 tests passing.

JerseyFactory-DTF · *v1.0.0, sold to print shops*

ihemant2810.github.io/dtf-studio

C# · .NET 10 · WinUI 3 · EF Core + SQLite · SkiaSharp · ECDSA

Turns a jersey roster into a print-ready gang sheet, replacing hours of retyping names into CorelDRAW by hand, with automatic nesting and material reporting. **Built a fully offline licensing system with no licence server:** keys are ECDSA-signed and the app carries only the public half, so it can verify a key but never forge one. Keys are machine-bound, and the product name sits *inside* the signed payload, so a Jersey Factory Pro key cannot be relabelled into a DTF key. A signed update manifest means even an attacker who took over the GitHub account could not point customers at a malicious download. 23 automated licence tests.

Jersey Factory Pro · *v1.5, subscription licence, in daily production*

jerseyfactorypro.vercel.app

Python · Pillow · Excel automation

My first product. A factory taking a team order was retyping 200 names by hand and finding the mistakes at the printer. Spreadsheet in, print-ready files out: front, back, sleeves and shorts in one pass, with automatic text fitting so long names scale correctly at every size. **Sportswear manufacturers run their production on it today:** MaxMillers Sports India, Aarambh Sports, Juno Sports and VSP Sports among them.

Pari Designs · *live, taking real payments*

pari-designs.in

Next.js · Supabase · Razorpay · Resend · Vercel

A marketplace for jersey design files. Built the whole money path and verified it end to end on live keys: payment → webhook → order marked paid → download token issued → email delivered. Admin panel so the designer publishes new work without touching code. 61 designs live.

EXPERIENCE

Unreal Artist / AI Product Prototyping · Liminal AR VR

Nov 2025 to present

- Develop interactive real-time environments and experiences in Unreal Engine 5, and build internal product prototypes using generative AI and Claude Code.
- Assisted in the planning and setup of IICT's Virtual Production Studio.
- Work with native ICVFX, STYPE XR, STYPE GreenKiller, Qualisys motion capture and Esper photogrammetry. Automate repetitive production tasks; optimise assets, lighting and performance for real-time.

Product Developer · Independent / Suthar Studios

2025 to present

- Ship Windows desktop products solo: engineering, licensing, packaging, store certification, landing pages, pricing, release and support.
- Find the customers first. Jersey Factory Pro and JerseyFactory-DTF exist because I watched print shops do the work by hand and built the machine that does it.

ALSO BUILT (FINISHED, RELEASE PENDING)

Veldora: long video into short vertical clips entirely on the user's own GPU (Whisper, NLLB and pyannote resident in VRAM; nothing uploaded). **DevStation:** offline workspace that records what you built and what changed, with content-addressed snapshots and undoable restores. **DiskScope:** disk analyser that attributes every byte to the *application* that owns it, not just the folder it sits in. **Pulse Studio:** MP3 and a cover in, beat-reactive music video out, every format in about a minute. WinUI 3 · Tauri 2 · Rust · React · Python · WebCodecs · GPU H.264

TECHNICAL SKILLS

AI-assisted development	Claude Code, prompt engineering, agentic workflows, rapid prototyping
Languages	Python, C# / .NET, TypeScript, Rust, SQL
Desktop	WinUI 3, Tauri, MSIX, Inno Setup, Microsoft Store, Windows app development
Web & data	React, Next.js, SQLite, Supabase, Git
Security	AES-256-GCM, Argon2id, ECDSA licence signing, local-first architecture
Local AI	Whisper, NLLB, pyannote, GPU inference, FFmpeg
Real-time / VP	Unreal Engine 5, ICVFX, Unity, Qualisys mocap, Esper photogrammetry
Design	Blender, Photoshop, Illustrator, CorelDRAW

EDUCATION

SPU College, Falna, Rajasthan · Bachelor of Computer Applications (BCA)

2022

Arena Animation, Dadar · Diploma in Game Art & Design

Certifications: Arena NSM · Achievements: 2nd & 3rd place, Creative Minds Competition · Languages: English, Hindi, Marathi (basic)