

TANISHK KAMRA

Full-Stack Software Engineer | Python · JavaScript · AI Automation

Delhi, India | +91-81788-85173 | tanishkkamra8451@gmail.com | github.com/TanishkKamra | sacredtimeline.web.app

SUMMARY

Full-stack engineer (BCA 2026, CGPA 8.4) who designs and ships complete products: Python backends, JavaScript web and Electron apps, and LLM-powered automation. Delivered an office-wide document-processing platform that ended manual entry of **~100 insurance policies a day**. Best work: **Cadence**, **MCU Timeline** and the **Claude Code Skills Kit**. Builds with AI-assisted development, owning architecture, requirements, testing and deployment.

FEATURED PROJECTS

Cadence – Windows Music Player Electron, JavaScript, Web Audio API, C#, ffmpeg github.com/TanishkKamra/cadence-player

- Architected a high-fidelity desktop music player: ffmpeg decoding of 15+ formats (FLAC to 32-bit/384 kHz, DSD) to 32-bit float with libsoxr resampling, and an AudioWorklet engine with sample-accurate gapless playback and crossfade.
- Native C# WASAPI exclusive-mode helper for bit-perfect output, driven over a message protocol with flow control and crash recovery.
- 5–31-band EQ with 8,850 AutoEq headphone profiles, reverb, limiter, ReplayGain, tempo/pitch; smart-list library, lossless tag editing, synced lyrics; unit tests plus a native DSP self-test.

MCU Timeline – Live Web App JavaScript, Firebase, Firestore, Python, TMDB API sacredtimeline.web.app

- Framework-free web app mapping every Marvel film and series across 24 universes in story order, with watch tracking, Ctrl+K search and user-created branches; free to use, with no ads or analytics tracking; hosted on Firebase.
- Google sign-in syncs progress through Firestore with per-user security rules; Python tools pull TMDB release data and generate responsive WebP artwork.

Claude Code Skills Kit & ui-polish Plugin Python, LLM Agents, Prompt Engineering github.com/TanishkKamra/claude-skills-kit

- Plugin of 16 orchestration commands that interview the user, write a brief, then run skills and subagents in staged checkpoints; ui-polish audits a running UI in a browser and fixes approved issues.
- Python pipeline rebuilds and publishes the marketplace daily, with a secret and personal-data scan that blocks unsafe pushes.

Additional Projects

- **LLM Workflow Automations** (Make.com, Groq LLaMA, Airtable, Gmail, Slack): clinic follow-ups (~80% less manual work), vendor payment reminders with an LLM dispute classifier, dropout-risk scoring.
- **AI CFO Reporting Platform** (Claude API, Python, n8n): MSME reporting design with a deterministic calculation engine, LLM narrative only, human review queue and DPDP Act compliance plan.

EXPERIENCE

Freelance Full-Stack & Automation Developer | Remote 2026 – Present

- Designed and shipped **Operations Hub** (Python, Flask, SQLAlchemy): captures Slack mentions via Events API webhooks with HMAC-SHA256 verification and deduplication, classifies them with Gemini/OpenAI behind a provider abstraction, and creates ClickUp tasks only after human review.
- Integrated ClickUp API v2 (assignees, priorities, due dates, departments); database constraints block duplicate events and tasks; offline mock mode; DPAPI-encrypted credentials vault; **35 pytest tests** run in GitHub Actions CI.
- Deliver client automations in GoHighLevel, Zapier and Google Forms: lead capture, form-to-CRM routing and follow-ups.

Software Developer Intern | SMC Insurance Brokers Pvt. Ltd., Delhi Jun 2026 – Sep 2026

- Designed and deployed **DailyTasks**, an internal document-processing hub (Flask, blueprint per module, PySide6 control panel) on Windows via IIS/waitress, used office-wide over the LAN.
- Led the **Policy Reader**, the platform's core: identifies the insurer and extracts premiums, dates and business type from multi-page PDFs for **5 insurers** (ZUNO, HDFC ERGO, TATA AIG, GO DIGIT, ICICI Lombard) into standardized Excel for ~100 policies a day, eliminating manual data entry.
- Shipped PAN/Aadhaar OCR on a shared RapidOCR/ONNX pipeline (orientation correction, label-anchored extraction), a live jobs dashboard, File Sharing, CallSampler (stratified call-record sampling) and SheetFlagger (flags .xlsx rows via direct XML edits, preserving formulas).

TECHNICAL SKILLS

Languages & UI: Python, JavaScript, TypeScript, SQL, C#, HTML/CSS | React, Electron, PySide6, Web Audio API

Backend & Data: Flask, Node.js, REST APIs, Webhooks, SQLAlchemy, SQLite, Firebase/Firestore, pandas, openpyxl, PyMuPDF

AI / ML: LLM APIs (Claude, OpenAI, Gemini, Groq, Azure AI), Prompt Engineering, AI Agents, RapidOCR/ONNX, Local LLMs (GGUF)

Automation: Make.com, n8n, Zapier, GoHighLevel, Power Automate, Airtable, Google Workspace, Slack/ClickUp APIs

Tools & Practices: Git, GitHub Actions (CI), pytest, IIS, waitress, Firebase Hosting, AI-assisted development

EDUCATION & LEADERSHIP

BCA | Trinity Institute of Professional Studies (GGSIPU), Delhi

2026 | CGPA 8.4/10

Joint Secretary, R&D Club (workshops, AI project mentoring) · Executive Head, Design Club (event branding) · 2024 – 2026