Purvang Suvagiya

Founder of Trekias | Software Engineer

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LinkedIn | GitHub | Portfolio

SUMMARY

Founder and sole engineer of **Trekias**, built end to end and grown to **25,000+ live users**. Software engineer with 2.5+ years shipping production Flutter apps, 15+ live on the App Store and Play Store. Works on applied AI inside an enterprise construction platform: on-device language and vision models, and LLM agents that carry a Jira ticket through to a pull request.

EXPERIENCE

Asite Solutions Feb 2026 – Present
Software Engineer *Ahmedabad, India*

- Architected **iField AI**, a Flutter application that runs a Gemma LLM, multilingual Whisper transcription and an RF-DETR ONNX detector entirely on the device, behind a seam that swaps cloud and local inference without changing feature code.
- Shipped a **12-agent, 70-node LLM pipeline** (Claude and GPT-4o) that reads a Jira ticket, searches Bitbucket for code context, diagnoses the defect, generates tests and opens the pull request automatically.
- Designed **Site Copilot**, a natural-language agent that turns spoken or typed instructions into real application state: navigating locations, filtering listings and editing records by conversation rather than menus.
- Stood up an **AI voice-calling agent** on Vapi, Twilio and Supabase that phones site engineers and runs defect management by conversation: reading back the open defect list, answering questions on any single defect, updating or closing records over the call.
- Automated crash resolution over Firebase Crashlytics: tiers versions by crash volume, locates the fault in Dart or native code, traces it to the introducing commit with *git blame* and ships a root-cause fix with a reproducing test.
- Drove measured performance work: role-based image decode budgets, memoised spatial queries and gesture-local repaint boundaries, removing multi-hundred-megabyte decode spikes and per-frame state churn on tablets.
- Ship features and defect fixes in **Asite Field**, the flagship construction app live on both stores for global enterprise customers.

Prepseed Jul 2024 – Jan 2026
Flutter Developer *Ahmedabad, India*

- Shipped **10+ production Flutter apps** to the App Store and Play Store for schools, hostels, healthcare and enterprise clients, owned end to end.
- Delivered multi-role school and campus platforms serving **1,000+ daily active users**: planners, tests, homework, attendance, complaint and leave workflows, hostel room assignment and check-in/out, plus enterprise operations and CRM apps with bulk order tracking and secure file upload.
- Integrated Razorpay fee payments, Google Maps live bus tracking and Firebase (Auth, Firestore, Storage, FCM, Crashlytics) across the portfolio. Standardised delivery on Clean Architecture with BLoC, cutting feature turnaround across a multi-client agile team.

Smollan May 2024 – Jul 2024
Flutter Developer Intern, Google client projects *Ahmedabad, India*

- Contributed to four flagship retail and training applications for Google, built to enterprise delivery standards.
- Built **AI-Experience**, an interactive showcase deployed on-site at **Google HQ Singapore**, and **Tablet Ambassador**, a retail training app live on the Play Store: animation, quiz, campaign and reward systems with an integrated chatbot and Firebase Analytics.

Brands.live Jan 2024 – Apr 2024
Flutter Developer Intern *Ahmedabad, India*

- Built **SnapX**, an SME poster-creation app that auto-generates branded social creatives from business details, backed by a Laravel API.

PROJECTS

Trekias trekias.com

- Founded and launched an independent price-comparison platform for Himalayan trek organisers, built solo across four repositories in Next.js, TypeScript, Supabase, Python and Claude/GPT. Live since July 2026 with **25,000+ live users**.
- Wrote the data engine: a 10K-line Python crawler and provider-agnostic LLM extractor, Pydantic-validated and gated on a golden-sample regression suite, loading idempotently into Supabase across 40 SQL migrations. The public site runs on server components with ISR, JSON-LD SEO and PostHog analytics, alongside a service-role admin console (TanStack Table, Radix) with an automated privacy audit.
- Runs growth as well as engineering, including a Puppeteer pipeline that renders the Instagram content straight from live catalog numbers.

TECHNICAL SKILLS

Languages: Dart, Python, TypeScript, Kotlin, Swift, SQL, JavaScript
Mobile: Flutter, BLoC, Provider, GetX, Riverpod, Clean Architecture, MVVM, Pigeon channels, isolates, Camera2/AVFoundation, offline-first sync
AI & ML: On-device LLM inference (Gemma, LiteRT-LM), Whisper STT, ONNX Runtime, RF-DETR, vision-language models, Anthropic Claude, GPT-4o, Azure OpenAI, multi-agent orchestration, RAG, prompt engineering, n8n, LangChain
Systems & Web: OpenCV (C++), COLMAP, SIFT, IMU fusion, Next.js, React, Node.js, Supabase / PostgreSQL, Firebase, REST APIs, Three.js
Delivery: Git, CI/CD, Jira & Bitbucket, Agile / Scrum, Play Store & App Store release management, Razorpay, Google Maps, PostHog

EDUCATION

G H Patel College of Engineering & Technology Jul 2020 – May 2024
B.E. Computer Engineering, CGPA 8.34 / 10 *V. V. Nagar, India*