

Prateek Varshney

SOFTWARE DEVELOPER & ARCHITECT Bengaluru · Remote

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IIT Kharagpur grad. Full-stack developer and architect with 15+ years across large corporates, early-stage startups, and my own products — across mobile, backend, frontend, AI agents, data pipelines, and system architecture. Shipped products from zero to production, built AI-powered systems end-to-end, and contributed open-source libraries with 475+ GitHub stars.

SKILLS

Languages	Kotlin · Java · Python · JavaScript / TypeScript · Dart
Platforms	Android · iOS · Web · Wearables · Reddit Devvit · Flutter · React
Backend & Data	Flask · Node.js · Spring Boot · PostgreSQL · MongoDB · Redis · Firebase · Supabase · Qdrant
Cloud & Auth	GCP · AWS · Digital Ocean · Keycloak
AI / ML	Agentic systems · Pydantic AI · LangGraph · RAG pipelines · Vector DBs · Image processing · Face parsing

EXPERIENCE

Co-founder & System Architect — Lumi AI Fashion Stylist Jun 2025 – Dec 2025

Built Lumi nearly solo — an AI style assistant for Indian wardrobes that delivers daily outfit ideas across work, weekend, and occasion wear; personal colour analysis; wardrobe digitisation; and shoppable looks from Indian brands. Full stack: system architecture, agentic recommendation engine, vector DB & RAG pipeline, scraping / cataloguing / ingestion pipeline, colour analysis via face parsing, and both mobile apps (Android & iOS).

play.google.com/store/apps/details?id=com.hola.lumiris

Consulting Developer — Y1 Card Dec 2024 – Jan 2025

Delivered the first production release of a retail debt investment app (India) — from architecture to App Store & Play Store — in a team of two.

Android: [com.y1card.app](https://play.google.com/store/apps/details?id=com.y1card.app) · iOS: [id6740426304](https://play.google.com/store/apps/details?id=com.y1card.app)

Staff Engineer — Xperi / TiVo Aug 2017 – Sep 2024

- One of the lead engineers and technical architects on a content-discovery app — onboarded and mentored engineers and contractors, wrote technical design docs, defined phases and sprints, set up CI/CD processes. App was eventually shelved after 6–12 months of work.
- Built contextual voice search (multi-turn, content-aware) for TV / movies on mobile, pre-LLM era.
- Engineered complex custom widgets: a 2D flingable TV-guide grid with snap-to-row / column, and a card-flip onboarding experience.
- Helped migrate and develop the ABC Listen app for the Australian Broadcasting Corporation; received direct positive feedback from ABC on the quality of the work.
- Contributed to IPTV and connected-device experiences across the full tenure.

App Developer — Blink by Witworks (India's first smartwatch) Feb 2017 – Aug 2017

- Built the fitness tracking app; outperformed Samsung Gear 2 on distance accuracy without GPS via a calibration-based mechanism.
- Implicit & explicit session tracking with user-configurable goals; battery optimisation; watch-to-phone sync; on-device event logging.

Creator — Weave & Stitch—a-Story (Adroit Android Works) May 2016 – Feb 2017

Solo product — collaborative creative writing platform. Full stack: product, design, Android & backend.

Android Technical Lead — Practo Apr 2015 – Apr 2016

- Led a team of 4 to ship Practo Consult in 3 months with high quality and minimal bugs, closing a 6-month gap on a rival for India's largest healthcare tech platform. Resulted in 200+ daily medical queries answered via the app.
- Oversaw launch of "claim profile" (2 months, team of 2); acting lead on Practo Instant for 6 months improving appointment experience for doctors and patients.
- Authored the mobile login-flow technical design to reduce email-login drop-off; set up cross-team development and release processes.

Software Engineer — Kiwi Inc.

Aug 2013 – Feb 2015

- Built end-to-end a monthly membership feature for Heroes that increased payer conversion 2.5x.
- Worked across teams and stacks in fast agile sprints — Android (libgdx), PHP, Ruby on Rails, MySQL, and Objective-C for iOS; also integrated AdLooper SDK into games by indie developers, some built in Unity.

Developer Analyst — Goldman Sachs

Mar 2011 – Jul 2013

- Analysed breaks in interest-accrual calculations during a C-to-Java rewrite — reverse-engineered calculations where C source wasn't available, fixed incorrect Java output, and obtained sign-off from controller users by justifying the corrections — taking the project from standstill to completion.
- TDD in Java across 2 cross-regional agile projects; sub-ledger tracking P&L on firm positions across 230+ databases for ~1,500 internal audit controllers, with output flowing daily into regulatory reporting including the company's quarterly and annual reports.

OPEN SOURCE

Near ★ 350+ P2P Android library for local-network discovery (UDP) and file transfer (TCP).

ChipCloud ★ 110+ Material chip-cloud library for Android, fork with additional features.

EDUCATION

Indian Institute of Technology, Kharagpur

2005 – 2010

B.Tech + M.Tech, Electronics & Communications Engineering