

Ahad Amir Lodhi

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VENTURE

Atapata — Digital Business Cards for Pakistan

Apr 2025 – Present

Founder & Sole Engineer | HydraLabs, incubated at NIC NED | [atapata.app](#)

Karachi, Pakistan

- Founded and built Atapata, a digital business card app for the Pakistani market, professionals share a live profile by NFC tap, QR, or WhatsApp link, and every edit updates automatically for everyone holding it.
- Set the business model: free tier with capped AI scans, Pro at Rs 300/month, Enterprise at Rs 700/seat, with AI scanning, the dominant variable cost, deliberately chosen as the paywall gate.
- Architected the full stack alone, React Native (Expo) app, NestJS/Prisma/PostgreSQL API on Railway, Next.js web on Vercel, Cloudflare R2 storage, BullMQ queues on Redis, and OTA releases via EAS Update.
- Built AI card scanning (Claude Haiku OCR) that turns paper cards into a searchable contacts inbox, with voice notes and location tagging per contact, and a read-time entitlement system for quotas and paid tiers.
- Own product, engineering, design, payments integration (Safepay), and go-to-market end-to-end as sole operator, targeting public launch in November 2026.

EXPERIENCE

StitchGrab

Oct 2024 – Jun 2026

Software Engineer

Karachi, Pakistan

- Led architecture and delivery of a production multi-vendor marketplace (Next.js, React, Node.js, TypeScript), onboarding 10+ vendors and scaling to thousands of concurrent users.
- Designed 15+ REST APIs across the vendor and customer lifecycle; collaborated with cross-functional stakeholders to define requirements and API contracts, cutting average response latency by ~40%.
- Orchestrated a two-way Shopify inventory sync via GraphQL webhooks, superseding a polling architecture and eliminating 100% of overselling bugs across all product lines.

Dawlance (Beko Group)

Jul 2024 – Sep 2024

Management Trainee / R&D

Karachi, Pakistan

- Spearheaded an automated computer vision QC system (Raspberry Pi, OpenCV), applied data-driven threshold optimisation to replace a fully manual process, cutting inspection time from 4 minutes to under 30 seconds (~60% effort reduction).
- Selected as Top Trainee from ~30 interns after presenting QC system results to senior R&D leadership; awarded PKR 200,000 for outstanding contribution.

SELECTED PROJECTS

- StatSnap / basketball player tracking (YOLOv8 + ByteTrack) with unsupervised team classification by jersey colour.
- Jobify / job search automation (n8n, Apify, Gemini API) with automated role-fit scoring and recruiter outreach.

EDUCATION

GIK Institute of Engineering Sciences and Technology

Aug 2020 – Jul 2024

Bachelor of Science in Computer Science

Topi, Pakistan

TECHNICAL SKILLS

Stack: React, React Native, Next.js, TypeScript, Node.js, NestJS, Prisma, PostgreSQL, Redis, GraphQL, REST APIs, Python

Tools: Git, Docker, CI/CD, Expo/EAS, Stripe Connect, OAuth 2.0, n8n, Claude API, OpenCV, YOLOv8, Agile, Cross-functional Collaboration