

TUSHAR LACHMAN

Final-year Computer Science · RMIT Melbourne

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PROFESSIONAL SUMMARY

Builds and ships production software end to end: a medical practice platform I built, sold and support, now in daily clinical use at a Jakarta family practice, plus five more across web, mobile and native Android. Seeking a summer internship (Nov 2026 – Feb 2027) or a graduate role from July 2027, in any tech role.

Work rights: Student visa, unrestricted hours over the summer break; graduate visa from August 2027. Fluent in English and Bahasa Indonesia.

PROJECTS

Medical Practice Management Platform June 2026 – Present
React · TypeScript · Supabase · Deno · Capacitor · Twilio · Claude API — tusharlachman.dev/work/medical

- A TypeScript monorepo behind 73 Deno edge functions and 39 migrations, covered by 637 unit tests.
- Audited the live database with nothing but the public anon key: eleven tables still answered, because row-level security sat switched off beneath correct-looking policies. Closed with idempotent migrations.
- Insurers’ claim PDFs signed and numbered only on approval; a 38-tool Claude assistant that proposes and never commits; separate in-person and online schedules, which had been losing every evening booking.

FitScroll — Earn-Your-Screen-Time Android App August 2026
Kotlin · Jetpack Compose · CameraX · ML Kit · Accessibility Services — github.com/TusharLachman25/FitScroll

- ~5,400 lines of Kotlin: the camera counts push-ups on-device, banks each rep as a minute of screen time, and locks the apps you pick at zero. Minutes expire 24 hours after they are earned.
- A rep needs the shoulders to travel a fraction of the user’s own shoulder-to-hip length, not just the right elbow angles — otherwise standing up and curling your arms passes every gate. 125 unit tests.

Jarvis — Personal Life OS June 2026
Next.js 16 · React 19 · TypeScript · Supabase · Claude API — github.com/TusharLachman25/jarvis-life-os

- Tasks, calendar, health and money in one dashboard: 38 REST endpoints, 10 migrations, Google OAuth.

Locked In — Social Fitness App April – May 2026
React Native (Expo) · TypeScript · Supabase · Gemini API · EAS Build — github.com/TusharLachman25/Locked-In

- A squad workout tracker in daily use by my friends; Gemini vision reads a smartwatch screenshot.
- **Also built** · Kitchen OS (~3,500 lines of Python); a CNN over 20,280 colon-tissue patches at 0.852 macro-F1.

EXPERIENCE

Independent Software Developer · Dr Varkha’s Practice, Jakarta June 2026 – Present
Sole developer of the platform above, on a paid monthly subscription: design, build, deploy and support.

Information Systems Intern · Makmur Jaya Abadi, Jakarta August 2023 – January 2024
Digitized accounting records into Excel and Google Sheets, automating repetitive entry with formulas.

Part Time Medical Assistant · Dr Varkha’s Teleconsultations, Jakarta June 2020 – April 2023
Digitized patient records and compiled laboratory and x-ray reports — the job the platform above was built to replace.

EDUCATION

Bachelor of Computer Science — Minor in AI & Machine Learning, RMIT University Expected July 2027

National High Jakarta School — Cambridge IGCSE, AS Level and A Level Completed April 2023

SKILLS

Languages	Python, TypeScript, JavaScript, Kotlin, Java, C, C++, SQL
Frameworks	React, React Native (Expo), Next.js, Node.js, Flask, Streamlit, Tailwind CSS, Capacitor
Mobile	Android (Kotlin, Jetpack Compose), CameraX, ML Kit pose detection, accessibility services
Cloud & Data	AWS (EC2, ECS, Lambda, S3, DynamoDB), Docker, PostgreSQL, Supabase, REST APIs, OAuth 2.0
AI & Practice	Claude API (tool use), Google Gemini, PyTorch, scikit-learn; Vitest, pytest, JUnit, CI