

AI Engineer focused on taking **LLM** and computer-vision systems from experimentation to production; final-year Computer Science student at City University of Hong Kong (graduating 02 2027). Five AI-driven products shipped since 2025: a clinical **computer-vision platform** built solo on **AWS**, and **agentic AI** systems spanning robotics, dispatch, customer service, and production automation. Covers the full AI lifecycle: model integration, **evaluation**, scalable **backend APIs**, and cloud-native deployment with **Docker**.

Technical Experience

Software Engineering Intern / Movaia Tech Limited 06 2026 — Present  
AI video analysis: clinical movement-assessment & running-form SaaS platforms Hong Kong

- **Sole engineer** on Movaia Health, a clinical movement-assessment platform: from empty repository to a live, HTTPS-secured product on **AWS** in under **6 weeks** (~14,000 lines, **50+** production releases, 100% of commits).
- Engineered the end-to-end **AI pipeline**: a Dockerised **Python** computer-vision service (**PyTorch**, **MMPose**) tracking **133** body landmarks, with a from-scratch signal-processing engine converting patient video into validated clinical fall-risk metrics (SPPB).
- Built the scalable backend: an **Express + TypeScript** REST API over **PostgreSQL** and **Redis** serving a **React** clinician app; replaced the original Django backend mid-project with zero disruption to the live system.
- Hardened model behaviour by **evaluating** the pipeline against real clinical videos from the Chinese University of Hong Kong, tracing edge cases to root cause; every scoring threshold traceable to published clinical literature.
- Applied **responsible AI** and governance unprompted: encrypted storage, **ISO 27560** consent records, automated backups, cost controls.
- Maintained the consumer running-analysis SaaS in production: audited all **123** open bug reports, fixed **7** in two days.

Freelance Engineer, Digital Operations / Guns & Rain, Johannesburg (Remote, weekends) 06 2026 — 07 2026

- Resolved months-old production failures by pairing **AI-agent browser automation** with custom tooling: root-caused a site-wide PDF-link outage and a latent server fault; migrated the live site with **zero** records lost.
- Engineered an automated redaction pipeline across **30+** catalogues with checksummed backups and self-verifying, pixel-checked output.

Mobile Application Developer / OrderVista (Final-Year Project, CityU) 10 2025 — 04 2026

- Accelerated dispatch ticket creation by **45%** via an **agentic AI** layer (**DeepSeek V3**) converting text into one-tap structured actions.
- Secured multi-tenant isolation with **zero** cross-tenant leaks via **Supabase** row-level security and RBAC on **PostgreSQL**.
- Eliminated transactional data loss during network drops via an **offline-first** sync engine with exponential backoff and validation.
- Cut route-reassignment latency **31%** with a fleet-wide optimisation engine; took the product public via **Vercel** and **Google Play**.

Robotics & AI Software Engineer / Rice Robotics Ltd, Hong Kong 09 2025 — 10 2025

- Increased retail user-interaction conversion by **22%** by leading integration of an **agentic AI** stack on the Rice Mini robot: **voice recognition**, **LLM reasoning**, expressive displays, and autonomous behaviours in one control loop.
- Built reliable audio capture/playback pipelines on **Jetson** edge hardware; **Dockerised** the runtime, cutting startup latency **35%**.
- Secured a **15%** expansion in pilot retail deployments through diagnostics and SOPs built with cross-functional stakeholders.

Digital Product Consultant / WYNI Technology Ltd, Hong Kong (ITC STEM Scheme) 07 2025 — 08 2025

- Automated **70%** of initial customer-service inquiries by shipping a live **conversational LLM agent** on a client WhatsApp channel.
- Boosted daily admin workflow velocity by **25%** with a centralised **Next.js** oversight portal for real-time business visibility.

Lead Software Engineer / Levox Ltd, Madrid, Spain (Remote) 06 2025 — 07 2025

- As lead engineer on a modular **Next.js** battery-management platform, achieved **zero tenant leaks** with **Clerk** authentication over a **Tinybird** analytics backend; cut interaction latency **28%** via memoisation and progressive loading.

Education

Bachelor of Science in Computer Science, City University of Hong Kong Expected Graduation: 02 2027

- **Dean's List** (GPA  $\geq 3.70$ ): Sem A 2023/24, Sem B 2025/26; exchange semester at **Stony Brook University**, NY, USA (2024).
- **International Academic Tuition Scholarship**, HKD 140,000 per academic year 2022 — 2027
- Pearson Edexcel International A Levels: **A\*A\*A\*** (Mathematics, Physics, Chemistry) 06 2021

Skills

|                  |                                                                                                                    |
|------------------|--------------------------------------------------------------------------------------------------------------------|
| GenAI & ML       | LangChain, agentic AI, LLM integration, prompt engineering, <b>PyTorch</b> , model evaluation, MCPs                |
| Backend & Data   | Node.js/Express, <b>REST APIs</b> , PostgreSQL, Redis, Supabase, React, Django, Next.js, multi-tenant architecture |
| Cloud & DevOps   | <b>AWS</b> (HTTPS deployment, automated backups, cost controls), <b>Docker</b> , Vercel, Git, CI/CD                |
| Programming      | Python, TypeScript, JavaScript, Java, SQL, C++, Dart                                                               |
| Communication    | English, Hindi, Bengali (native); Urdu, Arabic, German                                                             |
| Extracurriculars | Author of <i>Holy Mysteries</i> (Amazon, 2024), stage mentalist, coding & STEM mentor, competitive chess           |