

Myo Myat Thiha

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EDUCATION

Coventry University

09/2024 – 08/2027

- **BSc Computing** (Predicted First-Class Honours with an average mark of 77)
- Relevant modules: Networking, Operating System, Information Security, Introduction to Python & Problem-solving

PROFESSIONAL EXPERIENCE

Freelance Full-Stack Engineer | Drift Land 154

03/2026 – Present

Engineered a comprehensive enterprise event management and ticketing platform using a modern JavaScript monorepo architecture.

- Designed a highly scalable monorepo separating a Next.js 16 (React 19) client from a secure Node.js/Express backend to ensure independent deployment paths and maximum performance.
- Engineered the core event management logic with MongoDB, integrating server-side QR code generation for secure ticket validation and automated Nodemailer transactional pipelines.
- Implemented stateless JWT authentication and bcrypt hashing, while leveraging Next.js App Router and React Server Components to deliver a lightning-fast, spec-driven user experience.

AWARDS & ACHIEVEMENTS

- 1st Place Track Winner | UCL AgentVerse Hackathon (2026) * Secured 1st place out of 31 submitting teams and 700 total participants for engineering a stateful multi-agent AI workflow.
- 1st Place (Envio Track) & 2nd Place (Concordium Track) | Encode Hackathon (2025/2026) * Awarded dual prizes for architecting a cross-chain DeFi identity and credit-scoring protocol.

PROJECT EXPERIENCE

NutriShield | OpenClaw Hackathon 2026 (Imperial College) | [LINK](#)

03/2026 – 03/2026

Engineered a 3-tier, zero-knowledge AI biodefense assistant generating real-time, threat-adapted meal plans.

- Tier 1 (Delivery): Routed FLock LLM conversational agents across Telegram, Discord, and Web UIs via OpenClaw Gateway.
- Tier 2 (Privacy): Architected a local-first orchestration layer ensuring 100% of user PII and health data remains on-device.
- Tier 3 (Intelligence): Built a FastAPI webserver with automated pipelines to ingest live threat data from WHO and OpenWeatherMap APIs.
- Bioinformatics: Deployed Amina AI (ESMFold/DiffDock) to dynamically map antiviral compounds to everyday food ingredients.

Afterverse | UCL AgentVerse Hackathon | [LINK](#)

11/2025 – 11/2025

Engineered a multi-agent AI platform automating post-death legal and financial workflows.

- Architected a stateful AI system using LangGraph and Google Gemini, coordinating 4 specialized agents with persistent state-passing to process complex, interdependent tasks with isolated error handling.
- Developed algorithmic compliance modules to dynamically calculate UK Inheritance Tax (IHT), assess net estate valuations, and auto-draft official PA1P probate instructions.
- Engineered a FastAPI and SQLite backend integrating Playwright for headless browser scraping, enabling the AI to aggregate real-time market data and simulate form submissions.

VeriLoan | Encode Hackathon (Blockchain) | [LINK](#)

10/2025 – 10/2025

Engineered a DApp creating secure borrower profiles for under-collateralized DeFi lending.

- Architected a cryptographic bridge linking Ethereum EVM wallets to Concordium's Identity layer, utilizing dual-signed transactions and Envio Hyper-Indexing to aggregate a user's full on-chain history.
- Developed a privacy-preserving algorithmic service that calculates on-chain credit scores from historical loan return rates, enabling lenders to safely assess under-collateralized loan risk.

Technical Skills

- Languages: Python, JavaScript, TypeScript, Solidity (EVM), HTML/CSS
- Frontend: React 19, Next.js 16 (App Router / Server Components), Tailwind CSS
- Backend & Databases: Node.js, Express.js, FastAPI, MongoDB (Mongoose), SQLite, RESTful APIs
- AI & Orchestration: LangGraph, Google Gemini, FLock LLM, Multi-Agent Systems, Amina AI (ESMFold / DiffDock)
- Web3 & Blockchain: Ethereum / EVM, Concordium Identity, Envio Hyper-Indexing, DApp Development, Smart Contracts, DeFi
- Architecture & Tools: Monorepo Design, Zero-Knowledge Privacy, Playwright (Web Scraping), JWT & Web Security, Git, OpenClaw Gateway