

Faw Ali

faw.dev [↗](#)

LinkedIn [↗](#)

GitHub [↗](#)

Email: talkto@faw.dev

Mobile: (+60) 16-910 8847

EDUCATION

- **Monash University** Subang Jaya, MY
Bachelor of Computer Science in Data Science, School of Information Technology Feb 2022 - April 2025
 - **Cumulative Grade Point Average (CGPA):** 3.662/4.000
 - **Relevant Coursework:** Algorithms & Data Structures, Statistics & Machine Learning, Probability & Discrete Mathematics, Deep Learning, Database Design & Management, Big Data Management & Processing, Data Modelling & Analytics, Cybersecurity, UI/UX & Usability
- **Sunway College** Subang Jaya, MY
Monash University Foundation Year (MUFY) Jan 2021 - Dec 2021
 - **MUFY Score:** 87.125/100.000
 - **Units Taken:** English, Mathematics, Physics & Information & Communication Technology
 - **Scholarships:** Jeffrey Cheah Entrance Scholarship

EXPERIENCE

- **Microsoft - Monash Innovation Guarantee (MIG)** [↗](#) Subang Jaya, MY
Consultant Nov 2024 - Feb 2025
 - Pioneered innovative solar adoption Rooftop-as-a-Service (RaaS) model through Microsoft global collaboration (MY, US, TW) & Tenaga Nasional Berhad (TNB) partnership, projecting 48,700 tCO2e annual reduction & RM 50.4M community savings.
 - Led a team of 5 using ask-assess-act methodology, securing 1st place among 10 teams with 94% satisfaction rate from pilot study & endorsements from major industry leaders including Microsoft, TCS, Pos Malaysia, & CelcomDigi.
 - Presented zero-upfront-cost solar model to 100+ industry leaders, demonstrating 6.72 GWh clean energy generation potential & comprehensive ROI analysis backed by stakeholder validation.
 - Established real-time grid intelligence system & innovation think tank with bottom-up approach, enabling enhanced peak demand management & 40% faster renewable solution deployment across TNB's renewable initiatives.
- **Accendo Technologies** [↗](#) Kuala Lumpur, MY
Data Analyst Intern Nov 2023 - Feb 2024
 - Engineered enterprise-level shortlisting functionality by implementing a custom webhook-based integration between Tableau & REST APIs, resulting in \$25,000 annual licensing cost savings & 250% faster candidate evaluation workflow for major clients.
 - Transformed dashboard user experience by implementing Schneiderman's eight design principles across all client interfaces, achieving 200% increase in analytics renewals & 95% positive feedback from enterprise clients including Axiata & Generali.
 - Optimised in-house data processing workflows by developing automated ETL pipelines handling terabytes of data hourly, reducing dashboard update time by 100% & enabling accurate real-time analytics for all enterprise clients.
- **Digital Media Management Agency** Perth, AU (Remote)
Head of Sales Aug 2022 - Nov 2024
 - Directed global sales division of 70+ employees across 6 countries, managing \$3.1M annual revenue & driving 30% overall growth through strategic leadership & cross-cultural team development.
 - Designed & launched comprehensive sales training program & documentation, reducing onboarding time from 6 weeks to 2 weeks while achieving 40% increase in team performance metrics.
 - Orchestrated client relationship strategy for 20+ international accounts, achieving 65% improvement in retention rate across multiple time zones & cultures.

SKILLS

- **Programming & Development:** Python, JavaScript, TypeScript, Go, R, Git, Bash, Lua
- **Web Technologies:** React, Next.js, Node.js, Flask, HTML, CSS, Tailwind CSS, Bootstrap
- **Data Engineering & Analytics:** Data Pipeline Development, ETL, PostgreSQL, MongoDB, SQLite, Tableau, Power BI (Fabric)
- **Machine Learning & AI:** TensorFlow, PyTorch, OpenCV, scikit-learn
- **Cloud & Infrastructure:** Google Cloud Platform, Firebase, Docker, Supabase, CI/CD, Microservices
- **Data Science & Miscellaneous Technologies:** Data Science Pipeline (cleansing, wrangling, integration, visualisation, modelling, interpretation), Jupyter, Markdown, L^AT_EX
- **Business & Communication:** Project Leadership, Cross-cultural Communication, English (C2), Malay, Urdu

PROJECTS

- **ChopChopSplit** [↗](#)

Team Lead & Developer

Dec 2024 - Feb 2025

- Led a team of 6 developers in architecting AI-powered Telegram bot for group expense management by implementing vision AI OCR & LLM-based receipt processing with 93.4% accuracy.
- Engineered website [↗](#) using Next.js & Stripe, alongside Svelte & Node.js for the Telegram bot [↗](#) with MongoDB, processing 107 receipts & facilitating 405 bill splits across 30 active group chats from just 1.5 weeks.
- Secured early-stage seed funding from Ignite Asia [↗](#) (pitch deck [↗](#), analytics [↗](#)), generating RM400 initial revenue & demonstrating strong market potential with USD 22,240 projected annual revenue through B2B SaaS validation.

- **Devmatch 2024** [↗](#)

Team Lead & Developer

Aug 2024 - Sep 2024

- Architected RxNet, a blockchain-based solution leveraging MasChain to combat prescription drug misuse, focusing on enhancing security & transparency in medication distribution.
- Devised real-time monitoring systems & smart contracts for tracking medication life cycles, enabling early detection of potential misuse patterns & improving public health oversight.

- **Final Year Project: Transformers for Sign Language Recognition** [↗](#)

Team Lead & Developer

Mar 2024 - Nov 2024

- Pioneered state-of-the-art Vision Transformer models for Sign Language Recognition, achieving 99% accuracy on ASL & ArbSL, & first implementation of ViViT for continuous Greek Sign Language recognition with 49.87% accuracy surpassing baseline models.
- Built full-stack web application with real-time sign language recognition using webcam & Intel RealSense camera input, establishing comprehensive CI/CD pipeline & maintaining extensive documentation.
- Awarded Top 10 Best Final Year Projects (award [↗](#)), recognised for novel approach in multi-language sign language recognition & implementation.

- **Monash Coding League**

Runner Up & Finalist

Mar 2023 - Mar 2024

- Demonstrated exceptional algorithmic proficiency by achieving top rankings across multiple competitions (3rd of 48 teams [↗](#) in 2024, 6th of 56 & 8th of 48 [↗](#) in 2023).
- Engineered optimal solutions for complex algorithmic challenges, implementing advanced data structures & algorithms while optimising for both time & space complexity under competitive time constraints.

- **Kitahack 2024 (Google's Solution Challenge)** [↗](#)

Team Lead & Finalist - Top 10 of 200

Dec 2023 - Feb 2024

- Engineered cross-platform environmental solution by developing Flutter & Dart mobile application integrated with Firebase backend.
- Architected real-time community engagement system by implementing Firebase Cloud Functions & gamification mechanics, achieving seamless event management & user reward tracking while maintaining scalable cloud infrastructure.