Faw Ali

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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, Artificial Intelligence & 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

- **Cleve** ⬀ — Kuala Lumpur, MY
  Founding Full Stack Engineer — *May 2025 - Present*
  - Engineered frontend & backend improvements to enhance product UX, implementing responsive design patterns & optimizing user workflows for increased user satisfaction.
  - Architected & built entire mobile application from scratch, implementing full stack solutions while establishing core infrastructure & development workflows.
  - Developed core AI functionality by integrating LLM, RAG & AI Agent technologies, expanding product capabilities & delivering innovative solutions.
  - Led cross-functional product initiatives by collaborating with design & business teams, accelerating development cycles & ensuring alignment with strategic company objectives.

- **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, LaTeX

- **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.

- **RxNet - 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.

- **Ren - 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.