

Adyaraka Banyu Langit

+866 968-135-106 | adyaraka.cs15@nycu.edu.tw | [linkedin.com/in/adyaraka](https://www.linkedin.com/in/adyaraka) | github.com/valleysonata

EDUCATION

National Yang Ming Chiao Tung University

Bachelor of Science in Computer Science

Hsinchu, Taiwan

Sep. 2026 – Jun. 2030

- **Honors/Awards:** NYCU International Student Scholarship

Rosedale Global High School

Ontario Secondary School Diploma (OSSD)

Markham, Ontario

Aug. 2023 – May 2026

- **Honors/Awards:** Ontario Scholar Award

EXPERIENCE

Research & Data Analyst

Work Coffee Indonesia

Jan. 2024 – Jan. 2025

Jakarta, Indonesia

- Built a Python data pipeline (**pandas**, **NumPy**, **SciPy**) to clean and analyze 13 months of daily waste records ($N = 396$) across 5 operational streams.
- Identified a **65% waste reduction** trend (from 28.14 kg/day to 9.80 kg/day) by analyzing central tendency and distribution skewness as operations stabilized.
- Uncovered category ties via **Pearson correlation** ($r = 0.659$) and proved no weekend-vs-weekday variance using a non-parametric **Kruskal-Wallis test** ($p = 0.903$).
- **First author** of “*Quantitative Analysis of Coffee Shop Operational Waste Using Python*,” published in *COMSERVA: Journal of Scientific Research*, Vol. 6, No. 3. DOI: [10.59141/comserva.v6i7.3590](https://doi.org/10.59141/comserva.v6i7.3590)

PERSONAL PROJECTS

FaceVox | *Python, MediaPipe, PyTorch, scikit-learn*

2026 – Present

- Built an assistive facial expression recognition system using **478 MediaPipe face landmarks**.
- Mapped real-time facial expressions directly to core communication intents (**YES, NO, HELP, PAIN**).
- Evaluated classification accuracy across **Random Forest**, **Gradient Boosting**, and **Transformer** models.

Personal Portfolio | *HTML5, CSS3, JavaScript, Groq AI, Cloudflare Workers*

2026 – Present

- Created a browser-based macOS Sequoia-inspired desktop environment as an interactive personal portfolio.
- Integrated functional web apps including **Terminal**, **Safari**, **Spotify**, **Finder**, **VS Code**, and **Launchpad**.
- Engineered a modular window manager, responsive layouts, and a custom **AI chat agent**.

TECHNICAL SKILLS

Languages: Python, C, SQL, HTML5/CSS3, JavaScript

Machine Learning & Data: PyTorch, MediaPipe, scikit-learn, pandas, NumPy, SciPy, Matplotlib, Seaborn

AI & Systems: Generative AI, RAG Architectures, Autonomous Agents, Prompt Engineering, MLOps

Tools & Environments: Git, GitHub, VS Code, Jupyter Notebook, Cloudflare Workers, Groq API, Microsoft Excel

CERTIFICATIONS

IELTS Academic: Overall Band 7.5

Alibaba Cloud Academy: Generative AI, Prompt Engineering, ML/DL, GPU ECS, PAI Platform, RAG & Agents

HackerRank: SQL Basic Certification (Joins, Subqueries, Query Optimization)

HP LIFE: Data Science & Analytics Certification