

Xanadonh Nammathao

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Profile

Motivated **3rd-year former Data Science Engineering student** with a strong passion for **AI agents, data science**, data engineering, automation, and clean energy. A fast learner who enjoys hands-on problem solving and constantly seeks new challenges. Committed to developing both technical and soft skills, including **communication, collaboration, and teamwork**, to contribute effectively in real-world projects.

Technical Skills

Programming: Python, Java, SQL

Frameworks/Tools: FastAPI, VSCode, Docker

Databases: MySQL, KNIME

Data Skills: Data cleaning, transformation, visualization

Version Control: GitHub, Git Collaboration (branching, merging, conflict resolution)

Education

University of Technology Sydney (UTS)

Feb 2025 – Dec 2027

Bachelor of Engineering (Honors) – Major: Data Science Engineering

- Graduated from UTS College — Diploma of Engineering with **GPA 6.7/7** and a **20% scholarship**.
- Relevant courses: **Data Analysis, Data Engineering, Network Fundamentals**.

Kiattisack International School

Sep 2022 – Jun 2023

Cambridge-based High School, GPA: 3.72

- Cambridge Certificate: **Mathematics A Level (A), Physics A Level (B)**.

Experience

Chef Assistant

Jul 2024 – Oct 2025

Doodee King (Darling Quarter), Sydney, Australia

- Cooked and plated stir-fry dishes, improving kitchen workflow speed by **25%**.
- Prepared ingredients, maintained kitchen cleanliness, and improved overall workflow by **10%**.
- Ensured **100% hygiene and sanitation standards** through dishwashing and station upkeep.

Teacher Assistant

Jun 2020 – Aug 2020

Kumon, Nongkhai, Thailand

- Guided underperforming students in grades 4–6 with **Math** and **English** in a supportive environment, keeping parents informed.

Projects

Junior Researcher Team Member

Jul 2025 – Present

VSCode, Python, Pandas, AEMO

- Analyzed **10+ years of AEMO data** to forecast clean energy transition in NSW.
- Conduct weekly discussions with professors and senior researchers to refine analysis and explore insights.

- Utilized **Python and Pandas** to clean, transform, and analyze large electricity market datasets.
- Goal: Forecasting **future electricity prices in NSW** after coal energy phase-out.

Hosting Personal Note

Jul 2025 – Present

React, Docusaurus, GitHub Pages, AI Integration

- Built and deployed a **personal knowledge hub** (GitHub Pages + Cloudflare custom domain).
- Integrated an **AI-powered assistant** for intelligent search and knowledge retrieval, improving query response speed by **80%**.
- Attracted over **300+ unique visitors**, showcasing effective web design and deployment automation.

Certificates

IELTS: 6.5

Issued Aug 2023 — Expires Aug 2025

Google Data Analytics Professional Certificate

Issued Aug 2025