

Nakarin Phoorahong

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Professional Summary

ICT graduate from Mahidol University with hands-on experience in data engineering and data analysis, AWS, and machine learning on image classification.

Education

Mahidol University, B.Sc. in Information and Communication Technology May 2022 – May 2026

- GPA: 3.21/4.0
- **Coursework:** Database Design, Data Warehousing and Mining, Digital Image Processing, Computer Security, Parallel and Distributed Systems.

Internship Experience

Data Scientist Intern - Trinity Securities (IdeaTrade) 2 March - 15 May 2026

- Designed and developed a top-down analytical dashboard for SearchFlight, enabling users to explore flight data from global, regional, country, and airport levels. Co-built ETL workflows to extract, transform, and load flight data from the FlightsFrom website.

Activities

Data Engineering on AWS Training with Trainocate 19-21 August 2026

- Completed a three days training programme on Data Engineering on AWS with the collaboration of Trainocate and BOI. Practiced using the AWS services (S3, Athena, Glue, Lambda, Lake Formation, etc.) to build an automated data pipeline.

HPC School Bangkok: Zero 5-7 August 2026

- Participated in a workshop on HPC fundamentals and hands-on training on the LANTA clusters. (Slurm commands)

Training with Bloomberg Thailand office 25, 26, 31 March 2026

- Completed a three-day Bloomberg training programme focused on ETF fund flow analysis, equity research workflows, and portfolio analytics using Bloomberg PORT.

AI Governance Boot camp with Coraline 22 March 2026

- Explored the EU AI Act and practical AI governance through a team case study on a medical diagnostic assistant. Reviewed relevant ISO standards and used an AI Risk Canvas to consider regulatory, ethical, and operational aspects, while recognizing areas where our approach could be further developed.

CPT and Fine-tuning LLMs Workshop by NECTEC NSTDA 9-11 March 2026

- Completed a three days workshop on continued pre-training and fine-tuning LLMs using LANTA cluster, including data cleaning and preparation for LLM training (NLP).

Google Thailand Data Center Hackathon 31 Oct 2025

- Won the Google Thailand Data Center Hackathon as part of a team competition involving CPU rack assembly and Linux command-based CTF challenges.

Projects

OptionsViz: The Study of Options via Visualization Ongoing

- Utilized publicly available data on options-chain data to visualize the options concepts such as Implied Volatility(IV), Options Greeks, put call ratio and open interest. Currently, developing an end-to-end ETL and visualization pipeline.
- **Tools Used:** Python, FastAPI, ChatGPT, Cloudflare, Codex
- **GitHub:** github.com/Nakarin010/options-data **Website:** <https://options-data.nakarinph.com>

OrderFLOW: The study of order flow and how it flows through the market Ongoing

- create an animated visualization showing how order flow moves through market and reaches the specified order conditions.
- **Tools Used:** Visual Studio, NextJS, Node.js, TypeScript, Cloudflare, Codex
- **GitHub:** github.com/Nakarin010/OrderFLOW **Website:** <https://orderflow.nakarinph.com>

Dermalytix Active August 2025 - May 2026

- Designed and developed a Flutter-based medical decision support application for skin lesion classification, using supervised machine learning and active learning to improve model performance over time.
- **Tools Used:** Python, Flutter, MS SQL Server, Runpod, Lightning AI, Draw.io, Figma, ChatGPT, Overleaf, AnyDesk
- **GitHub:** github.com/ChawanakornI/SeniorProjectAI

Agentic Finance June 2025

- Designed and developed a website that integrates agentic workflows and comprehensive financial APIs, LLMs and validation mechanisms to provide more reliable answers.
- **Tools Used:** LangChain, TA-Lib, Flask, HTML, CSS, JavaScript, Vercel, ChatGPT, Claude
- **GitHub:** github.com/Nakarin010/SmokeNMirror **Website:** <https://smoke-n-mirror.nakarinph.com>

Data Analysis Project August 2025 - October 2025

- Performed ETL processes (Extract, Load and Transform data) from Kaggle datasets on theatre industry to meet the business needs before handing off to Power BI dashboard development team.
- **Tools Used:** Alteryx, Python, Kaggle, ChatGPT
- **GitHub:** github.com/Nakarin010/DataAnalysisThinkNest

Data Warehouse Project January 2025 - March 2025

- Created an ETL process in Tableau Prep for extracting, transforming, and loading data into the data warehouse for hotel business.
- **Tools Used:** Tableau Prep and Desktop.
- **GitHub:** github.com/Nakarin010/DataWarehousePJ

Database Design Project January 2025 - April 2025

- Designed ER diagrams, defined relational schemas, and implemented SQL queries to simulate airline operations such as booking and cancellation workflows.
- **Tools Used:** MS SQL Server, Azure Data Studio, Draw.io
- **GitHub:** https://github.com/Nakarin010/Database_DesignPJ

Skills

Programming Languages: Python, SQL, HTML, Dart, Bash

Data & BI: Alteryx, Tableau (both Prep and Desktop), Microsoft SQL Server, MySQL Workbench

AI/ML: PyTorch, LangChain, LangGraph, FastAPI, MCP, Claude, ChatGPT

Tools: Docker, GitHub, Cursor, IntelliJ IDEA, Streamlit, macOS, Windows, VMware Fusion, Terminal (Bash), Runpod, Lightning AI, Bloomberg Terminal.

Languages: English (TOEIC 970 Listening: 490, Reading: 480), Thai (Native)

Certifications

DataCamp Introduction to Python and Intermediate Python, Bloomberg Market Concept, Introduction to SOFR by CME and Bloomberg Spreadsheet Analysis Alteryx Designer Core Certification.