Nutthajet Foythong

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SUMMARY

A first-year Computer Engineering student passionate about AI/ML, Data Science, and FinTech. I have a strong foundation in Python and C++, with hands-on experience in building and optimizing AI/ML models, developing a RAG-based chatbot, and delivering tech-driven solutions through various projects, hackathons and a research internship at NECTEC.

KEY SKILLS

Programming:	Python, C++
Languages:	Thai, English (TOEFL-ITP 543)
Tools and Technologies:	Pandas, OpenCV, Visual Studio Code, Google Colab, Docker, n8n
AI & Frameworks:	Scikit-Learn, TensorFlow

EXPERIENCE

Regional Honorable Mention – Track AI Innovator, Super AI Engineer Season 5   **2025**
- Developed an automated RAG-based LINE Official Account (LINE OA) system to summarize news from user-submitted links, featuring news summarization, question answering, and daily personalized news updates. The system scrapes and processes news content daily from 14 major Thai news websites.

Tech stack: n8n, Qdrant, Docker, LLM via Groq, Embedding via Ollama

Finalist (9th Place) – I-Squared Hackathon 2025

Organizer: Chula Engineering
- Built and optimized image classification and object detection pipelines for liver tumor analysis using OpenCV and YOLOv8, handling over 10,000 liver medical images, including data cleaning, preprocessing, training, and evaluation.

Participated – AiHack 2025

Organizer: AIRA & AIFUL Company and Chulalongkorn University
- Implemented end-to-end ML pipelines for loan default risk prediction, combining linear and tree-based ensemble models (XGBoost, LightGBM, CatBoost), with data preprocessing, class imbalance mitigation, time-based cross-validation, and ensemble blending for performance optimization.

Winner – Modchomphu Hackathon 2025

Organizer: Chula & KMUTT Engineering
- Heat Stress Alert - AI-powered livestock monitoring application using real-time THI from IoT sensors and meteorological data (Tech Innovation Competition)

3rd Place – Digital Innovation Track, CP Cup 2025

Organizer: Charoen Pokphand Group Co., Ltd
- CP Retail Store Inter-branch Transfer DSS - a dashboard platform recommending optimal product transfers based on sales data (Tech Innovation Competition)

Research Internship Student at NECTEC, NSTDA   **2024**
- Conducted an NLP research project at the Language and Semantic Technology Lab (LST) focused on optimizing statistical machine translation, covering topic formulation, experimentation, and evaluation, and resulting in one conference paper publication.

High school Computer Project, Mahidol Wittayanusorn School

Project name: Development of an Automated Delivery Robot Using Image Processing and Deep Learning
- Built a deep learning–based object detection model for footpath identification and obstacle detection in robotic navigation, deployed with TensorFlow Lite on a Raspberry Pi robot.

Participated in the Robotics, AI, and Coding Camp (Talent RAC 2023)   **2023**
- Received training in core data science processes, including data preparation, modeling, and evaluation, with experience gained through project-based work and a conference paper publication.

PAPER PUBLISHED

- Optimizing Isarn-Thai SMT: Word-Based Alignment Adjustment through Linguistic Knowledge and Semantic Similarity   **2024**
- PharmaDetect: Drug Identification and Guidance through Visual Recognition   **2024**

EDUCATION

Chulalongkorn University   **2025 - Present**
Computer Engineering and Digital Technology, Faculty of Engineering

Mahidol Wittayanusorn School   **2022 - 2025**
GPAX: 3.90