Sanyanupap Japakang

AI & Data Solutions

171/3599, Phahonyothin Rd. Klongtanon/Saimai/Bangkok 10220 | sanyanupap.j@gmail.com |
Tel. (+66) 99-150-8925

EDUCATION

Chulalongkorn University Expected July 2026

Bachelor of Electrical Engineering, Specialization: Control and Communication

Relevant Courseworks : Computer Programming, AI Engineering, Neural Network, Optimization techniques, Random Process, Probability and Statistics

EXPERIENCE

True Internet Data Center (True IDC) May 2025 - July 2025

AI Research & Development Internship | Python, LangChain, LangGraph, Git, Docker

- Conducted research on LLMs and built prototype demos to support AI developers in integrating new capabilities into company projects.
- Using LangChain and LangGraph to design workflow pipelines, combining prompting strategies with structured reasoning, tool integration, and contextualized information retrieval.
- Explored and experimented with QLoRA (Quantized Low-Rank Adaptation) techniques for fine-tuning LLMs, reducing training costs while improving model efficiency and performance.

PROJECTS

Statistical Analysis of New Cancer Patient Case | Term Project Dec 2023

- Performed statistical modeling to uncover significant trends and correlations in cancer patient datasets, and applied data visualization techniques to effectively communicate insights and highlight key patterns for research support.

NewsMind Chatbot | Internship Project May 2025 - July 2025

- Developed an intelligent multi-agent chatbot as a centralized news repository, capable of updating, clustering, retrieving, and summarizing articles by leveraging LangChain, LangGraph, and prompting, while integrating the MCP protocol to extend agent capabilities.
- Designed a scalable architecture with PostgreSQL for structured storage and efficient data retrieval, and deployed the system using Docker for containerized scalability.

Face Authentication | Senior Project August 2025 - Present

- Implemented a face authentication system by fine-tuning a CNN classifier for robust identity verification on facial data, while optimizing model training and evaluation pipelines using PyTorch.
- Researched and integrated multiple anti-spoofing techniques including liveness detection, frequency analysis, and blink detection to prevent fraudulent login attempts with photos or videos, with OpenCV applied for preprocessing.

SKILLS & LANGAUGES

Programming Langauges	:	Python, SQL, MATLAB
Developer Tools	:	Git, Docker, PostgresSQL, Neo4j, Microsoft Office
Libraries/Frameworks	:	Scikit-Learn, Pytorch, LangChain, LangGraph, HuggingFace, Pandas, NumPy, Matplotlib
Soft Skills	:	Problem-Solving, Learning Agility, Communication Skills, Team Collaboration
Langauges:	:	Thai (Native), English (Fluent)