



# PHITHAK WANGTO

## CONTACT

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## EDUCATION

### CHIANG MAI UNIVERSITY

Bachelor of in Data Science 2021 - 2025

2021 – 2024 GPA: 3.53

## SKILLS

### PROGRAMMING LANGUAGES

- Python
- R
- SQL
- JavaScript

### TECHNIQUES & METHODS

- Exploratory Data Analysis (EDA)
- Time Series Forecasting
- Model Evaluation & Tuning
- Model Deployment
- Computer Vision
- ETL / ELT
- Regression
- Classification
- Clustering
- NLP
- Chatbot (LLM)

### TECHNOLOGIES

- Jupyter Notebook
- Visual Studio Code
- Power BI
- Docker
- TensorFlow /PyTorch
- PostgreSQL
- Git
- API (FastAPI)
- Excel
- Hugging Face

### SOFT SKILLS

- Teamwork
- Problem Solving
- Adaptability
- Critical Thinking
- Time Management

## PROFILE

Recent graduate in Data Science with project experience in machine learning, computer vision, and chatbot development using GPT-based models. Skilled in Python, SQL, and data wrangling techniques. Familiar with Docker, Power BI, and deploying ML models for real-world use cases. Eager to apply analytical thinking and technical skills in fast-paced data teams.

## WORK EXPERIENCE

### GPT Chatbot for HIV Risk Guidance using RAG | Beyond Coding

- Developed an interactive AI-powered chatbot using GPT and Retrieval-Augmented Generation (RAG) to provide personalized HIV risk assessments.
- Designed and implemented an ETL pipeline to extract, clean, and transform trusted medical content from various sources, and load it into a vector-based knowledge base for efficient retrieval.
- Integrated the vector database to enable accurate, context-aware responses by retrieving relevant medical information, improving response accuracy and relevance.

### SURVIVAL PREDICTION MODEL FOR RUPTURED HEPATOCELLULAR CARCINOMA (rHCC) PATIENTS WITH HEMORRHAGE

- Built a predictive model to estimate survival time for patients with rHCC using clinical and lab data.
- Performed comprehensive data preprocessing including missing value handling, feature selection, and evaluation with K-Fold CV.
- Enabled comparison of treatment outcomes to support personalized healthcare planning, addressing a major public health issue in Thailand.

### TOMATO QUALITY INSPECTION SYSTEM USING COMPUTER VISION AND DEEP LEARNING

- Designed a real-time computer vision system to classify tomatoes as fresh or rotten for agricultural quality control.
- Leveraged YOLOv11 for high-speed object detection directly from camera images, achieving over 92% accuracy.
- Exposed a REST API to serve classification results, enabling automated quality inspection workflows.