

# Bhuribhat Ratanasanguanvongs

+66 95-753-0883  
bhuribhat@gmail.com  
[LinkedIn/Bhuribhat](#)  
[github.com/Bhuribhat](#)

I am passionate about Data Science, specializing in Computer Vision and Machine Learning. Actively expanding my expertise in Natural Language Processing (NLP), with a focus on advanced techniques such as LLM fine-tuning and Retrieval-Augmented Generation (RAG). With a strong engineering background, I am dedicated to continuous learning and eager to apply my skills in the evolving fields of Data Science and Machine Learning.

## EXPERIENCE

**Student Researcher** January 2025 - Present  
Datamind Lab, Chulalongkorn University & NVIDIA

- Conducting research on AI-assisted scientific manuscript generation.
- Investigating automated formatting for major ML venues (e.g., NeurIPS / ACL / ICLR).

**Freelance Data Scientist / Machine Learning Engineer** August 2025 - Present  
Fastwork.co

- Delivered 50+ freelance projects in Machine Learning and Data Science for academic and industry clients.
- Developed solutions across multiple domains including computer vision, NLP, time-series forecasting, and recommender systems.
- Built end-to-end pipelines for data processing, model training, and evaluation.
- Designed interactive dashboards using Streamlit and Docker-based deployment.
- Provided mentoring and technical consulting for undergraduate, master's, and industry clients.

**Data Scientist** September 2024 - December 2024  
Agnos Health

- Utilized open-source data visualization tools like Metabase and Redash to design and implement dashboards. Leveraged SQL and PostgreSQL to extract and analyze data, providing actionable insights and enhancing decision-making processes.
- Developed a predictive model using XGBoost Regressor, achieving a 50% improvement in Mean Squared Error (MSE) compared to the baseline.
- Designed and implemented a recommender system algorithm and API using Python and Django.
- Designed and implemented a middleware using Golang.

## PROJECTS

**Domain-Specific Chatbot for Thai Language** August 2023 - 2024  
Datamind Lab, Chulalongkorn University & NECTEC Thailand

- Developed Large Language Models (LLMs) and Retrieval-Augmented Generation (RAG) using LangChain to answer Thai law questions accurately and precisely within specific and up-to-date Thai legal documentation, significantly reducing hallucinations in its responses.
- Leveraged High-Performance Computing (HPC) for fine-tuning and inference, utilizing QLoRA to enhance the LLM's expertise in the Thai legal domain and improve its performance.
- Developed a prompt optimization to increase robustness and ensure the LLM follows instructions.
- Optimized inference runtime with TensorRT-LLM via Docker in linux environment.

## SKILLS

- Software knowledge: MS Office, Power BI, Tableau, Looker Studio, Google Colab
- Programming Languages: Python, SQL, Java, JavaScript, C++, Go, Scala
- Language: Thai (Native), English (CU-TEP 89/120)

## EDUCATION

**Master of Engineering,  
Computer Engineering**  
Chulalongkorn University  
2025-2027 - GPAX 4.00

**Bachelor of Engineering,  
Computer Engineering**  
Chulalongkorn University  
2020-2024 - GPAX 3.32  
Second Class Honors

**Applied Science Program**  
Traim Udom Suksa School  
2017 - 2020 - GPAX 3.59

## CERTIFICATIONS

[Googal Data Analytics Specialization](#)

[IBM Data Engineering Professional](#)

[Neural Networks and Deep Learning](#)

[Convolutional Neural Networks](#)

## RELEVANT COURSEWORKS

- Software Engineering
- Database Systems
- Statistics
- Big Data Analytics
- Data Science and Engineering
- Machine Learning
- Neural Network
- Pattern Recognition
- Computer Vision
- Digital Image Processing

## EXTRACURRICULAR ACTIVITIES

Teaching Assistant in Data Science and Data Engineering, 2025

Teaching Assistant in Introduction to Big Data and Data Science, 2024

Teaching Assistant in NLP individual study, 2023

Individual Study PET-CT Brain Scan Sementic Segmentation, 2023

Member of CU Basketball Club, 2020 - 2021

Member of CU Game Developer Club, 2020