

PRACHAYA KHOMDUEAN

📍 73/39 Ebina House Hotel, Room 520, Vibhavadi Rangsit Road, Talad Bang Khen, Lak Si, Bangkok, 10210

☎ (+66) 94-659-3030 ✉ prachayakhomduean@gmail.com

Github

 github.com/jayprachaya

LinkedIn

 linkedin.com/in/prachaya-khomduean

Website

 jayprachaya.github.io/prachaya

I am a data scientist passionate about leveraging artificial intelligence to enhance decision-making in finance and investments. My area of expertise lies in deep learning, particularly in analyzing data and image processing such as yolov8 and Vision Transformer (ViT). Currently, I'm interested in financial portfolio optimization to improve investments and learning how to apply data analytics to finance. I constantly update myself with the latest developments in the AI field.

EXPERIENCE

Data Research Management Officer

Aug 2022- Present

Chulabhorn Learning and Research Center, Bangkok, Thailand

- Researching techniques, deep learning models, analyzing, and cleaning the clinical data to support the research project.
- Create a Power BI dashboard to track the performance of the organization's research publications.
- Implementing a data management system, i.e., CKAN.

Internship

Data analyst, NextMed Co., Ltd.

Apr- May 2023

- Developing a Chatbot-Powered Solution for Seamless Patient Document Retrieval by utilizing lanchain freamwork

Medical bioinformatics program, Siriraj, Mahidol University

Jun - Jul 2021

- Developing a computer vision-based image segmentation program to detect dengue virus foci with a specificity rate of 93.75%. Follow this project here: https://github.com/si-medbif/dengue_foci

Project

- **Ultra-Wideband Human Activity Classification**, Created a deep learning model for human activity classification using YOLOv8-CLS and Vision Transformer. Mar 2023
- **Financial QA chatbot**, Developed an information retrieval system for financial data question-answering. Mar 2023
- **Liver lesion detection**, Built a deep learning model utilizing YOLOv8 for precise liver lesion detection. Feb 2023
- **Poverty Prediction**, Utilized public data to train a regression model for predicting poverty levels. Feb 2023
- **COVID-19 Severity Prediction**, Researched deep learning for segmenting lung lobes and lesions in CT scans to classify COVID-19 severity. [\[credential\]](#) May 2022
- **Dengue foci count system**, Utilize computer vision technology (OpenCV) to detect, count numbers, and measure the areas of dengue foci from focus-forming assay (FFA) [\[credential\]](#) Jun - Jul 2021

EDUCATION

Bachelor's Degree of Health Data Science

Aug 2018 - Jun 2022

King Mongkut's University of Technology Thonburi (KMUTT) and Princess Srisavangavadhana College of Medicine, Chulabhorn Royal Academy | GPA of 3.42 (2nd Class Honours)

- Relevant Coursework: Data Science, Machine Learning, Big Data, Text Analytics, Economics

CERTIFICATES

- Super AI Engineer (Bronze Med) Aug 2023
- Foundation AI (Theory) Certificated by AIAT [\[credential\]](#) Dec 2022
- Perform Foundational Data, ML, and AI Tasks in Google Cloud [\[credential\]](#) Apr 2022
- BigQuery for Machine Learning [\[credential\]](#) Apr 2022

SKILLS & INTERESTS

Tchnical

- Deep learning for image processing, Yolov8, Vision Transformer
- NLP: Sentiment analysis, Text analytics, Web scraping
- Coding with Python, SQL, HTML, CSS, Basic R
- Experience with Jupyter, Colab, Power BI, Power Automate
- Tools: Command Line, Git

Soft Skills

- Responsibility, Critical Thinking, Problem-solving, Attention to detail, Creativity, Teamwork
- English Intermediate

Interests/Hobbies

- Investment, AI Technology, Enjoy exercising