

NIRAWIT KANTHACHAI

+6697-124-4434, kanthachain@gmail.com, LinkedIn: Nirawit Kanthachai
Muang Chiang Rai, Chiang Rai 57000

EXPERIENCE

Research Assistant (RA) - Scholarship Recipient, Chiang Mai University

Jun 2024 - Ongoing

STREAMLIT|DOCKER|PYTHON

- Designed, developed, and deployed a survival analysis and medical annotation web application (Xception) using Streamlit, containerized with Docker, and hosted on the university's on-premise Ubuntu server.

National Astronomical Research Institute of Thailand (NARIT) Intern

Apr 2023- Sep 2023

MACHINE LEARNING|PYTHON

- Built a convolutional neural network (CNN) for predicting Zernike coefficients from images by using Python
- The model predicted coefficients for the images with an SSIM score more than 0.9 roughly 99.87%

ACADEMIC RESEARCH: FACIAL RECOGNITION

Jan 2021 - Jul 2021

IMAGE PROCESSING|MACHINE LEARNING|PYTHON

- Worked with master degree students, built a model for facial recognition, the model is inspired by VGG16 architecture.
- Model was able to perform above 80% accuracy

PROJECTS

SELF LEARNING PROJECT: CREDIT SCORE ANALYSIS

DATA VISUALIZATION|STATISTICAL MODEL

link: www.kaggle.com/code/nirawitkanthachai/credit-score

- Explored the data by using Plotly library and preprocessed the data for logistic regression model
- Model can yield accuracy at 98.0%

ACADEMIC PROJECT: CT SCAN SEGMENTATION

DATA PREPROCESSING|MACHINE LEARNING|PYTHON

link: https://github.com/Filimize/image_segmentation

- Enhance the segmentation model's accuracy by altering the data structure from a single image representing one image to one image representing three images in chronological order.
- Model got DICE score 97% approximately

EDUCATION

Chiang Mai University

Expected Graduation: Mar 2026

Master's Degree in Data Science

Thesis (Ongoing): Bayesian Meta-Ensemble of Stacked LSTM-CNNs for Detection of AI-Generated Text Under Uncertainty

Relevant Coursework: Data Science, Data management, Model Deployment, Advanced Statistics and Cloud Computing

Chiang Mai University

Jul 2020 - Mar 2024

Bachelor's Degree in Data Science GPA: 3.80 (First Class Honors)

Major Electives: Statistical data analytics, Minor: Sociology and Anthropology

Relevant Coursework: Data Science, Data warehouse, Model Deployment, Pattern Recognition, Data Mining, Advanced Statistics, Mathematics (Calculus I II/Linear Algebra)

ACHIEVEMENTS

COMPETITIVE PROGRAMMING:

- MITR PHOL BOOT CAMP: Advanced to semi-final round

ACADEMIC PROGRAMMING:

- CMU DATA SCI BOOT CAMP: Won the first prize
- CMU SCI POSTER PRESENTATION: Won the first prize
- CMU SCI ORAL PRESENTATION: Being representative of Data Science major for English oral presentation.

SKILLS & INTERESTS

Interests: Bayesian, Quantum computing, French, Writing and Philosophy

Languages: Native Thai, English upper-intermediate level

Technical: Excel, RStudio, Docker, Power BI, Python, R, SQL, Bash, Julia

CERTIFICATIONS

Data Analyst (Google), Advanced Data Analyst (Google), Python Automation (Google), Power BI (Google), CMU-eTEGS score 80 and TOEIC English test score 875