



PONGCHANOK NUAMTEAM

Machine Learning & Deep Learning Engineer

About Me

I am a person who is always challenged to learn new things around me. and ready to overcome many obstacles in work. One of the most important things is always ready to learn new things. and move on

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Education

King Mongkut's University of Technology Thonburi

Master of Electrical Engineering

2017 - 2021

King Mongkut's University of Technology Thonburi

Bachelor's of Electronics and Telecommunication Engineering

2021 - Present

Development Skill & Stack

- Python
 - Pandas, Numpy, Pytorch, Torchaudio, Torchvision, MLFlow, Tensorboard, Flask, Django
- JavaScript
 - React.js
 - Express.js
- R
- SQL
- Docker & AWS
- SlurmScript (HPC)

Experience

SEAGATE TECHNOLOGY (THAILAND) Co. Ltd

Electrical Engineer Internship

Inventory Software Management

Build a web demo for stock management using React.js as the frontend, Node.js (Express) as the backend, and SQL as the database. There are approximately 300 products in the small warehouse. then visualize all the data to make a report.

KING MONGKUT'S UNIVERSITY OF TECHNOLOGY THINBURI

Researcher & Assistance Teacher

Deep Learning & Machine Learning

Personal Protective Equipment Detection Project (Vision & Image Processing)

For this project, we cooperated with Panasonic Singapore to detect people who didn't prepare protective equipment on the construction site. This project aims to reduce accidents on the construction site.

Tele-Rehabilitation System (ASR)

This project aims to assist individuals with laryngeal damage by using Wav2Vec2 models in collaboration with NSTDA. Most patients lose the ability to communicate with people in society. Using ASR might help decipher difficult communications.

Development Projects

Demo Marketplace

As a proof of concept for full-stack development, create a Django demonstration project and host it on the AWS Cloud (EC2). How to Develop and Use Cloud Applications As a proof of concept for full-stack development, create a Django demonstration project and host it on the AWS Cloud (EC2). How to Develop and Use Cloud Applications

Django with Image Classification

This project was built to demonstrate the ideas of full stack with Deep Learning. Using a basic model of picture classification with PyTorch, there are two parts: front-end and classification model.

My Practice Projects

- **Machine Learning Models:** Linear/Logistic Regression, SVM, PCA, Decision Tree, Random Forest
- **NLP Implementation Skills:** Text Classification, Sentiment Analysis, and Translations (such as Seq2Seq)
- **Vision Implementation Skills:** Image Classification, Object Detection (such as VGG, ResNet, YOLO)