PONGCHANOK
NUAMTEAM

Fullstack Developer & Machine Learning Engineer

About Me

I am 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

📞 +66 6 5809 6757

✉️ pongchanok.nt@gmail.com

📍 302/8 M4 Naiklongbangplakod, Phra Samut Chedi, Samutprakarn, Thailand

Educations

King Mongkut's University of Technology Thonburi
Master of Electrical Engineering
2021 - Present

King Mongkut's University of Technology Thonburi
Bachelor's of Electronics and Telecommunication Engineering
2017 - 2021

Development Skill & Stack

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

My Website and Demo

Experience

Electrical Engineer Internship
SEAGATE TECHNOLOGY (THAILAND) Co. Ltd

Inventory Management System

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.

AI Researcher
KING MONGKUT'S UNIVERSITY OF TECHNOLOGY THONBURI (KMUTT)   *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 (Auto Speech Recognition)

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.

Dashboard Project (MERN)   *Development Projects (Practice Projects)*

Create a full-stack project to display sales data in the form of a graph and table. It was implemented on Render.com in a manner similar to my demo, which you can view on my website.

Social Media Project (MERN)

Similar to the project mentioned before, I created a project, researched adding an authentication system, and displayed user data on a feed. I also implemented this project on Render.com, so you can view the link on my website.

Demo Marketplace (Django)

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

Image Classification API (Django)

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.

Other

- **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, RestNet, YOLO)