Pawit Weerakoop

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https://pawit5001.github.io

SKILLS

Programming Languages: Python, JavaScript, HTML, CSS, SQL, Lua, C
Frameworks & Libraries: React, FastAPI, Bootstrap, Tailwind CSS
ML/AI: TensorFlow, Keras, OpenCV
Database: MySQL, MongoDB
Tools: Git, GitHub, VS Code, Jupyter Notebook, Figma
Language: Thai (Native), English (intermediate)

EDUCATION

Rajamangala University of Technology Tawan-ok
Bachelor of Science (B.Sc.) in Computer Science | GPA: 3.76/4.00 **July 2024 - Present**

WORK EXPERIENCE

Customer Service & Documentation – Internship **March 2023 - February 2024**
Laemchabang Inter Trans Co., Ltd.

- Coordinated with shipping lines, agents, and customers to support import and export operations
- Managed vessel bookings and shipment schedules, handling issues such as delays, vessel omissions, and Bill of Lading (BL) corrections
- Processed and verified import/export documentation, ensuring accuracy and timely submission
- Monitored shipment status and followed up with relevant parties to ensure on-time cargo movement and documentation completion
- Implemented a Google Sheets + Google Apps Script automation system to track vessel schedules and document deadlines
- Integrated automated LINE notifications to alert critical deadlines, reducing missed BL submissions and improving operational efficiency

PROJECTS

Snap Translate - Image Translation Website: github.com/pawit5001/SnapTranslate
Technologies: React, FastAPI, MongoDB, YOLOv8, BLIP, Google Translate API

- Developed a web-based image translation platform combining Computer Vision and AI models
- Implemented YOLOv8 for optimized object detection to accurately locate and classify multiple objects within images
- Integrated BLIP (Bootstrapped Language-Image Pretraining) for image captioning to generate contextual descriptions prior to translation
- Built text-to-image generation using Stable Diffusion XL for prompt-based image synthesis
- Implemented real-time Discord logging system to monitor and track image translation results during runtime

Gender & Age Prediction: github.com/pawit5001/gender-age-prediction
Technologies: Python, TensorFlow, Keras, OpenCV, scikit-learn, Gradio, EfficientNetB0

- Developed and optimized a gender classification and age estimation system using deep learning
- Implemented EfficientNetB0 as the backbone model with TensorFlow/Keras for high accuracy and efficiency
- Utilized OpenCV for image preprocessing, including face detection, resizing, and normalization
- Supported both real-time single-image inference and batch processing for multiple images
- Trained the model on public face datasets with extensive data augmentation to improve robustness and generalization

Sport Equipment Booking: github.com/pawit5001/Sport-equipment-booking
Technologies: PHP, MySQL, Bootstrap 5 | Server: Apache (XAMPP)

- Developed a web-based sport equipment booking and borrowing system
- Implemented user authentication with role-based access (student and admin)
- Enabled users to browse equipment, add items to cart, and submit borrowing requests
- Developed admin management features for categories, equipment inventory, responsible staff, and return tracking
- Provided booking history, receipt printing, and dashboard statistics for system overview