

# PEERANAT CHOTTAMRONGKUL

## AI Engineer

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Donmanora, BangKhonthi, SamutSongkhram



## SUMMARY

AI Engineer with experience in developing AI-driven solutions and workflow automation. Designed and implemented an image processing system for real-time object detection and classification in a smart recycling cabinet project. Also worked on NLP text classification to improve data categorization accuracy. Skilled in using n8n to build automation workflows that integrate multiple tools, reducing repetitive tasks and saving time for teams.

## PROJECTS

### Smart Bottle Recycling Cabinet

- Developed a recycling system capable of detecting and classifying PET bottles in real time using image processing.
- Deployed the machine learning model on a Raspberry Pi with OpenCV and TensorFlow Lite, achieving over 95% accuracy.
- Developed an interactive touchscreen interface with Kivy to display real-time results.
- Automated data logging to Google Sheets and integrated LINE notifications, reducing manual work by 80%.
- Implemented a points reward system that enabled users to earn and redeem points through a website, and used LINE alerts to confirm each transaction, which improved engagement and encouraged repeat use.

## EDUCATION



Bachelor of Industrial Technology  
(Electronics Computer Technology)

King Mongkut's University of Technology  
North Bangkok

07/2023 - 07/2025  
Bangsue, Bangsue, Bangkok

GPAX

3.75 / 4.0



High Vocational Certificate  
(Computer Hardware)



Samut Songkhram Technical College

05/2021 - 05/2023  
Meaklong, Mueang, SamutSongkhram

GPAX

3.73 / 4.0

## SOFT SKILLS

-  Adaptability
-  Teamwork
-  Problem-Solving
-  Time management

## EXPERIENCE

United Information Highway Co.,Ltd.

05/2025 - 08/2025 Lat Yao, Chatuchak, Bangkok

AI Automation

- Built automated workflows**  
Connected Google Services, Microsoft Services, LINE APIs, and databases using n8n. Applied LLMs to analyze data and assist in decision-making, improved efficiency and reduced manual work.
- Implemented an incident management system**  
Captured key details from customer emails, automatically created backend tickets, and notified the right teams, reducing errors and improving response time.
- Trained and fine-tuned language models**  
For text classification, improving accuracy in categorizing customer and technician messages.
- Automated reporting processes**  
Created workflows that pulled data from multiple sources and generated daily or weekly reports, saving several hours of manual work each week.

Loft IT Company Limited

03/2021 - 05/2021 Bang Khonthi, SamutSongkhram

- Performed on-site and remote troubleshooting for computer hardware and software issues.
- Installed, configured, and repaired various IT equipment, including printers, computers, and CCTV systems.
- Installed and configured over 50+ computers and CCTV systems for clients.

## TECHNICAL SKILLS

- Programming Languages & Web Development

Python, Java, C/C++, React, JavaScript, HTML
- AI/ML

OpenCV, TensorFlow Lite, YOLO, LLM APIs
- Automation & Integration

n8n, Google Services, LINE APIs, Webhooks
- Database

SQL, MySQL, PostgreSQL, MongoDB
- Cloud & DevOps

Docker, Git/GitHub, GCP, Azure