

PEERANAT CHOTTAMRONGKUL

AI Engineer

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Education

King Mongkut's University of Technology North Bangkok	07/2023 - 07/2025
Bachelor of Industrial Technology (Electronics Computer Technology) GPAX: 3.75 / 4.0	
Samut Songkhram Technical College	05/2021 - 05/2023
High Vocational Certificate (Computer Hardware) GPAX: 3.73 / 4.0	

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.

Experience

United Information Highway Co.,Ltd.	05/2025 - 08/2025
AI Automation (Internship)	
<ul style="list-style-type: none">• Built automated workflows connected Google Services, Microsoft Services, LINE APIs, and databases using n8n. Applied LLMs to analyze data and assist in decision-making, improving efficiency and reducing manual work.• Implemented an incident management system that 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 by creating 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
<ul style="list-style-type: none">• 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: Python, Java, C/C++

Web Development: React, JavaScript, HTML, CSS

AI/ML: OpenCV, TensorFlow/TensorFlow Lite, YOLO, LLM APIs

Automation & Integration: n8n, Google Services, LINE APIs, REST APIs, Webhooks

Database: SQL, MySQL, PostgreSQL, MongoDB

Cloud & DevOps: Docker, Git/GitHub, GCP, Azure