



# SITTIKORN CHALOEMKITTICHA

AI Engineer / AI Developer  
Data scientist / Data analyst

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## ABOUT ME

As a recent Artificial Intelligence graduate, I am passionate about developing AI models and leveraging data to solve real-world problems. My project experience includes practical applications like an exam test for pharmacists and computer vision solutions for safety compliance, such as detecting helmet usage. I thrive in collaborative team environments, enjoying theoretical discussions on optimizing algorithm selection for practical implementation.

## EDUCATION

Huachiew Chalermprakiet University   Bachelor of Artificial Intelligence ( GPAX 3.89 )   **2021 - 2025**

## SKILLS

- **Programming Languages:** Python, JavaScript, TypeScript, HTML, CSS, Shell Script
- **Frameworks & Libraries:** YOLO, Hugging Face, Pandas, Scikit-Learn, TensorFlow, PyTorch (CUDA), LangChain, OpenCV, Next.js, React.js, Flask, Pyspark
- **Databases:** MySQL, PostgreSQL (via psycopg2)
- **Tools & Platforms:** Git, GitHub, VS Code, Canva, Postman, Microsoft 365 (Word, Excel), Power BI, Ollama
- **Languages:** Native Thai, Basic Communication English

## EXPERIENCE

Final Project	Final Project - The development of Pharmacist Dispensing Speech Evaluation Module based on Sentence Similarity	Jan 2025 - Jun 2025
	<ul style="list-style-type: none"><li>• Collaborated with a two-person team to develop a PHARMACIST DISPENSE SKILL ASSESSMENT PROGRAM (PDSAS).</li><li>• Integrated the system for deployment to pharmacy faculty, facilitating practical application of the research.</li><li>• Achieved a fine-tuning accuracy of <b>0.0005</b> with the paraphrase-multilingual-MiniLM-L12-v2 model, and demonstrated an accuracy of <b>5.8042</b> on new datasets.</li><li>• Built the system using Python, PostgreSQL, Flask, and Next.js, leveraging sentence similarity techniques to compare spoken content against scoring criteria.</li></ul>	
IOADAY COMPANY LIMITED	AI Developer intern	Aug 2024 - Nov 2024
	<ul style="list-style-type: none"><li>• Developed a PPE (Personal Protective Equipment) Detection system, from model training to web application deployment.</li><li>• Trained an AI model using YOLO on a custom dataset, achieving a mAP (mean Average Precision) of <b>0.868</b>.</li><li>• Built and integrated a web application with React (frontend) and Flask (backend) to showcase the AI system.</li><li>• Implemented AI processing in the Flask backend, including object detection and person recognition with FaceNet.</li><li>• Explored mobile development concepts using Flutter and Android Studio.</li></ul>	

## ACTIVITY

- **DIY 6 DOF Robot Arm (2023)** - Assembled and programmed a 6-Degrees-of-Freedom robot arm using C++ in Arduino IDE for a one-day workshop to teach younger students.
- **From Gen Z to CEO (2023)** - Achieved Top 500 recognition in a "Gen Z CEO" aptitude test, gaining insights into business aspects like production, logistics, and marketing.
- **Student Committee (2023)** - Managed financial tasks, including collecting receipts for reimbursement of communal funds, and supported various committee activities.
- **Game Jam HCU (2022, 2023)** - Collaborated in a team to develop games within 2-3 days, gaining practical experience with Unity and Godot.
- **MEA Hackathon (2021)** - Participated in the event and presented innovative concepts.