TANNAPAT PHONHIRUNLAK

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https://kkkf07.github.io/my-website/

PROFILE

Fourth-year Electrical Engineering (English Program) student with a growing passion for coding and a focused on strengthening coding and problem-solving skills to to guide my future career.

EDUCATION

2022 – 2025	**King monkut's university of technology north bangkok**	**Thailand**
	• Major in Electrical engineering	

2016 – 2021	**Bodindecha (Sing Singhaseni) 2 school**	**Thailand**

EXPERIENCE

2025	**Engineering Mini-Project Electric-Drive**	**Thailand**

- Developed a Human–Machine Interface (HMI) application to control a stepper motor.
- Implemented serial commands for start, stop, direction, and speed RPM adjustment.
- Added live status display to monitor operation in real time.
- Validated software to hardware control on a physical test setup.

2023	**Engineering Mini-Project Microprocessor**	**Thailand**

- Built an IoT-enabled robot vacuum using a microcontroller.
- Programmed control logic in C for sensing, actuation, and motion behavior.
- Designed the system workflow for data processing and device communication application.

ADDITIONAL INFORMATION

- **Technical Skills:** basic programing (Python, C, Java, HTML), experience with MATLAB, Arduino, and ESP32, understanding of embedded systems and Internet of Things.
- **soft skills:** Leadership, Collaboration and Teamwork, English Communication, Time Management, Problem-solving
- **Languages:** Thailand, English