

TANNAPAT PHONHIRUNLAK

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<https://tannapatph.pages.dev/>

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 <ul style="list-style-type: none">Major in Electrical engineering	Thailand
2016 – 2021	Bodindecha (Sing Singhaseni) 2 school	Thailand

EXPERIENCE

2025	Engineering Mini-Project Electric-Drive <ul style="list-style-type: none">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.	Thailand
2023	Engineering Mini-Project Microprocessor <ul style="list-style-type: none">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.	Thailand

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.