

# TANNAPAT PHONHIRUNLAK

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<https://portfolio-tannapat.pages.dev/>

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## 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.

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## EDUCATION

2022 – 2025	<b>King monkut's university of technology north bangkok</b> <ul style="list-style-type: none"><li>Major in Electrical engineering</li></ul>	Thailand
2016 – 2021	<b>Bodindecha (Sing Singhaseni) 2 school</b>	Thailand

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## EXPERIENCE

2025	<b>Engineering Mini-Project Electric-Drive</b> <ul style="list-style-type: none"><li>Developed a Human–Machine Interface (HMI) application to control a stepper motor.</li><li>Implemented serial commands for start, stop, direction, and speed RPM adjustment.</li><li>Added live status display to monitor operation in real time.</li><li>Validated software to hardware control on a physical test setup.</li></ul>	Thailand
2023	<b>Engineering Mini-Project Microprocessor</b> <ul style="list-style-type: none"><li>Built an IoT-enabled robot vacuum using a microcontroller.</li><li>Programmed control logic in C for sensing, actuation, and motion behavior.</li><li>Designed the system workflow for data processing and device communication application.</li></ul>	Thailand

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## 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.