

TANNAPAT PHONHIRUNLAK

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

PROFILE

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

EDUCATION

2022 – 2025	King Mongkut'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

PROJECTS

Nov 2025	Bangkok Transit Website <ul style="list-style-type: none">Built an interactive route planner for Bangkok's BTS, MRT, ARL system using Python (FastAPI) and JavaScript.Modeled stations as a graph and implemented Dijkstra's algorithm to find the shortest route.Displayed the full route, total travel time, and number of stations.	Thailand
Nov 2025	Saving Goal Bot & LINE Chatbot <ul style="list-style-type: none">Built a LINE Chatbot using Node.js and Express.js deployed on Railway.Integrated with Google Apps Script to log user data automatically into Google Sheets.Created a companion web app for saving calculations using HTML, CSS, and JavaScript.	Thailand
Oct 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.	Thailand

ADDITIONAL INFORMATION

- Technical Skills:** Programming (Python, C, Java, HTML, CSS, JavaScript), 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:** Thai, English.