



TANAPHAT TAKULPUKDICHUMPON

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SKILLS

Languages: C/C++, Python, Java, JavaScript, HTML / CSS, SQL, Dart, Kotlin

Technologies & Tools: ReactJs, Flutter, Flask, Django, Node.js, Google Cloud Storage, Firebase Firestore, Google Colab, Google Play Console, Postman, Railway

WORK EXPERIENCE

Metropolitan Electricity Authority Bangkhen

April 2024 - June 2024

Measuring Department

Find document program (Demo):  

Developed a Python application to search and display the location of electric meters by inputting their meter number. The program retrieves data directly from a connected Google Sheet.

Electric Meter Inspection Submission Website (Demo):  

Designed and developed a custom website to manage the submission and retrieval of electric meter inspection results according to an annual schedule. The system was built as a prototype for trial use. Staff can submit inspection results, and administrators can review them through an easy-to-use interface.

EDUCATION

King Mongkut's Institute of Technology North Bangkok

2021-2025

B.E. in Computer Science (GPA 2.62) (TOEIC 605)

Relevant Coursework: Computer Programming, Structured Programming, Database, Object-Oriented Programming, Data Structure, Algorithm, Computer Network, Computer System Security, Intelligent System, Web Development, Unix, IoT, Project Management, Web Framework, NLP, Pentest, System Analysis & Design, Requirement Engineering

PROJECTWORK

Dragon Breakout Ball (2022): 



Developed a ball shooting game where players aim to break blocks and earn points. Implemented using Java.

O'clock (2023):    

Designed the UX/UI for a fashion e-commerce website using HTML, CSS, and JavaScript.

Auto Trash Can (2023): 

Built a smart trash can that automatically opens/closes using a servo motor. Utilized a PIR motion sensor for motion detection and an ultrasonic sensor to monitor trash levels. Implemented notification system via LINE for full capacity alerts.

Horas (2024):  

Designed and developed the database structure for a clothing e-commerce platform. Worked on various backend components using Django.

Rega (2024-2025):      

Developed a yoga training mobile app with real-time pose detection and scoring. Used MediaPipe to overlay body landmarks, an AI model to predict yoga poses, and a real-time scoring system. Implemented frontend with Flutter, model processing with Flask, and backend services using Google Firebase.