

WATTANAI YODCHAN

88/2 Village No. 2, Ban Mai Subdistrict, Pak Kret District Nonthaburi Province |
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| Github: <https://github.com/wattanaiyodc>

EDUCATION

Bangkok University

2021 - 2024

Bachelor of Engineering
Computer and Robotics Engineering
GPA : 3.74

Phraharuthai Nonthaburi School

2019 - 2021

High School
Art - Math

WORK EXPERIENCE

Expense Tracker Web Application

Aug 2025 - Present

- Engineered a full-stack expense tracker using Next.js and Express.js (Node.js)
- Integrated SQLite as a lightweight relational database and implemented REST APIs for income/expense records
- Developed a responsive dashboard with interactive data visualization to present spending insights

To-Do List Web Application

Jul 2025

- Built a full-stack To-Do List app with Next.js (frontend) and Express.js (Node.js) (backend)
- Designed and deployed REST APIs for task management and connected to MongoDB for persistent storage
- Delivered a responsive UI and successfully launched frontend on Vercel

Thesis Project: KUKA Control via Application

Jan 2025 - Apr 2025

- Programmed an application to control KUKA robot via integrated PLC programming
- Implemented communication between robot and PLC using bit-level data conversion
- Enhanced robot motion control to achieve seamless integration and automation

INTERNSHIP

DNA Robotic | Internship

Jun 2024 - Dec 2024

- Assisted in developing and maintaining PLC programs to control robotic systems.
- Collaborated with the team to enhance application features for robot motion control and automation.
- Gained hands-on experience in industrial automation, control systems, and problem-solving in real-world projects.

TECHNICAL SKILLS

- Programming:** Java, JavaScript, C, C#, Python
- Back-End:** Node.js, Express.js, REST API, Authentication
- Front-End:** React, Next.js, HTML, CSS
- Database:** MongoDB, PostgreSQL, SQLite
- Tools:** Git, Vercel, Render, Postman, PLC Programming, Photoshop
- Certifications:** Cloud Security Fundamentals (2025), Cybersecurity Foundation (2025)