

NIPON AEMIOO - [Portfolio](#)

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Professional Summary

I am interested in Full Stack or Front-end Developer positions. Although I have not yet had formal work experience in this field, I am confident in my ability to perform and grow in this role—if given the opportunity. I began seriously studying and practicing coding in November 2024 and have been steadily building my skills ever since, focusing on both front-end and back-end development. My background is in electronics, particularly working with microcontroller circuits and embedded coding, along with extensive experience using computers in various technical tasks. This foundation has helped me develop a structured, analytical mindset that I now apply to software development.

Work Experience

Product Specialist, Smart Home Solution, Bangkok | July 2024 – Present | [Link](#)

- hardware and software integration of smart home devices
- Test new products, generate reports, summarize results, and approve products for sale.
- Train both new and existing employees on company products, including creating online instructional videos.
- Research and develop new smart home-related products.

Software development achievements: SmartFill - E-Services to ERP Integration, Hotel Kiosk Client System (BackEnd)

Data Research and Management Assistant, Ministry of Foreign Affairs – Bangkok | February 2024 – August 2024

- Organized and analyzed content for e-Protocol projects and managed internal meeting room systems.
- Supported IT systems and contributed to the development and maintenance of the ministry's official website.
- Built internal databases and supported consular services as assigned.

Full-time Life Insurance Agent, Bangkok Life Assurance | November 2022 – November 2023

- Provided personalized insurance consultations focusing on tax-saving and financial planning strategies.
- Scheduled meetings with key clients and offered tailored Keyman insurance plans for executives and staff.

Teaching Assistant, King Mongkut's University of Technology North Bangkok | 2019 – 2022

- Assisted in teaching electronic circuits courses such as control systems, circuit design, and IC analysis.
- Supported students in hands-on labs involving analog and digital electronics.

Field Engineer for Telecom Measurement Devices, King Mongkut's University of Technology North Bangkok | 2019 – 2021

- Maintained and calibrated measurement tools including oscilloscopes, function generators, power supplies, and optical fiber splicers.
- Provided guidance and equipment support for students and faculty members in telecom-related labs.

Coding Language

- Frontend: HTML / CSS / JavaScript / React.JS / Next.JS / Tailwind CSS / CSS Modules
- Backend: Python / Express.JS / Fast API
- Database: SQL / PostgreSQL / SQLite
- Tools: Power Automate Desktop / pgAdmin / GitHub / Canva / Microsoft Office
- Languages: Thai (native) / English - with strong ability to read technical and system documentation.

Technical Skills

- Full-stack development
- Front-end development
- Teaching & Training
- Hardware & Electronics Development
- Continuous Learning and Self-Development
- Communication and Teamwork

Professional Projects | This is My Project >> [View Project](#)

My Portfolio | Stack: HTML, CSS, JavaScript | Tools & Libraries: React.js, React Router DOM, Vite, React Animated Cursor | Deployment: Vercel | [Link](#)

Developed a personal portfolio website using React and CSS, with smooth navigation via React Router. Integrated animations (React Animation) and icons (React Icons) for interactive UI. Showcased past projects through reusable portfolio components.

Health Calculator | Stack: HTML, CSS, JavaScript | Deployment: GitHub | [Link](#)

Developed a health calculator web application using HTML, CSS, and JavaScript. The app calculates BMI, BMR, and TDEE based on gender, age, height, weight, and daily activity level, and provides personalized daily energy intake recommendations.

TikTok Clip Voting | Stack: HTML, CSS, JavaScript | Database: Supabase | Deployment: GitHub | [Link](#)

Developed a web application for evaluating TikTok videos with an admin dashboard for managing judges and summarizing scores in real time. Built with HTML, CSS, and JavaScript, integrated with Supabase for secure authentication and voting. Designed to support multi-user access with efficient and flexible score management

SmartFill - E-Services to ERP Integration | Stack: Python | Tools: Power Automate Desktop | [Link](#)

The store's outbound process required scanning barcodes in both E-Services and ERP systems, making the process complex and error-prone. The SmartFill system was developed using Power Automate Desktop and Python to automate data integration, reducing the processing time from 15-30 minutes to just 1-2 minutes per transaction.

Hotel Kiosk Client System (BackEnd) | Stack: Python | Tools: FastAPI, Swacker | Database: Json, SQL | Other: Hardware Integration | [Link](#)

Developed a Self-Check-in Kiosk system for hotel services, including check-in, check-out, identity verification, and keycard issuance, using Python to integrate hardware devices (Thai ID card reader, passport scanner) through FastAPI and connect to the hotel's database. The system was successfully installed and deployed at Pino Latte Hotel, Khao Kho, with two operational kiosks.

Education

WeStride (2024-Present): Full Stack Development - Bootcamp | Graduated: 2025 | [Link](#)

- Intensive training program focused on full stack development, covering both front-end and back-end technologies. Includes regular coding exercises and project-based learning aimed at preparing participants for professional software development roles.

Master of Engineering | King Mongkut's University of Technology North Bangkok | Graduated: 2022 | [Link](#)

- Major: Applied Electronic Engineering Technology
- Thesis: *"Feasibility Study on Electricity Generation from Wind Energy Caused by Passing Vehicles Using Small-Scale Turbines"*
- GPA: 3.20
- Certificate: Outstanding Thesis Award – Engineering and Industrial Application Category, King Mongkut's University of Technology North | [Link](#)
- Certificate: Bronze Medal (Oral Presentation) – Engineering and Technology Category, King Mongkut's Institute of Technology Ladkrabang | [Link](#)

Bachelor of Engineering | Rajamangala University of Technology Phra Nakhon | Graduated: 2015 | [Link](#)

- Major: Electrical Engineering, Computer Engineering Program
- Senior Project: *"Home Appliance Control System Based on Android Operating System"*
- GPA: 2.64

Higher Vocational Certificate | Samut Sakhon Technical College | Graduated: 2012 | [Link](#)

- Major: Electronics Technology, Computer Technology Program
- GPA: 2.99
- Certificate: Microcontroller Skills Competition, Central Region Academic Conference, Vocational Student Organization of Thailand | [Link](#)

Licenses

- Teaching License – Issued by Teachers' Council of Thailand (Khurusapha) | [Link](#)
- Investment Consultant License (IC) – Issued by The Stock Exchange of Thailand