

# PORTFOLIO



## PATIHARN LIANGKOBKIT

King mongkut's University of Technology Thonburi

# ***Introduction***

Hello, my name is **Patiharn Liangkobkit**, a third-year student at King Mongkut's University of Technology Thonburi. I am in the Faculty of Engineering, majoring in Computer Engineering.

I have experience in **website** development (Next.js, HTML, JS, TS, MongoDB, PostgreSQL), **game** development (Unity, C#), UX/UI design (Figma), **hardware** development (PCB – Ergogen v4, Arduino, C, 3D printing, laser cutting, and CNC), and **AI** engineering (YOLOv11 and Python).

I value the principle of **Outcome-Based Education (OBE)** and the **Outcome-Based Approach**, which in my view means working on every project with the desire to achieve the best outcomes for users—while ensuring the work aligns with rules and respects human rights.

My work ethic is to complete my work with **honesty** and **consistency**. As a hard worker, I usually start working early on any project with full effort. When the project is completed ahead of the deadline, I often revisit it and make improvements if possible. Furthermore, in every project, I value real-world usability. During the brainstorming process, if something doesn't match real-world use, I try to consult and find the best solution for the project.

My best **problem-solving** skill is my thinking process, which allows me to understand real-world problems—partly because I am also an **entrepreneur**. I'm also good at working with people, thanks to my experience leading in churches.

The purpose of this portfolio is to help you better understand me through my working experiences. It is meant to showcase my **collaborative** skills, **development** skills, and more. These selected works reflect my capabilities and growth.

Hope you **enjoy** this portfolio.

---

**BEST REGARDS,**  
**PATIHARN LIANGKOBKIT**

# *Table of Contents*

**Profile**

**3**

**Sample of Work**

**4-7**

**Education**

**8**

**Awards**

**9**

**Activities**

**10-17**

**Certificates**

**18-21**



# Profile

## Technical skills

### Coding

- Typescript
- Tailwind CSS
- C
- React-Native
- MySQL
- Mongo DB
- PostgreSQL

### UX/UI

- Figma
- Adobe Illustrator

### Others

- Adobe Premiere Pro
- Capcut

## Personal Information

Name: **Patiharn Liangkobkit**

Nickname: **Richy**

Date of Birth: **January 27, 2005**

Age: **20 years old**

Nationality: **Thai**

Ethnicity: **Thai**

Religion: **Christian**

Phone Number: **063-614-5491**

Education Level: **3rd-year** university student

University: **King Mongkut's University of Technology Thonburi**

Student ID: **66070503489**

Address: **11/165 Nirvana Sathorn, Kanlapaphruek Road, Bang Khun Thian Subdistrict, Chom Thong District, Bangkok 10150**

Email: **richyboy170@gmail.com , patiharn.lian@mail.kmutt.ac.th**

# SAMPLE OF WORK

ENGLISHNEWWORDS.VERCEL.APP WEBSITE



This is one of my most impactful personal projects; **EnglishNewWords.vercel.app**, a website that helps individuals learn new **vocabulary** daily through interactive **mini-games**. Built primarily with TypeScript on Next.js, the platform has been running since July 8, 2024.

CRAZYFABRIC-WEBSITEX.VERCEL.APP WEBSITE

# SAMPLE OF WORK

Crazyfabric-websitex.vercel.app is a website including mostly front-end for displaying t-shirts, testimonials, and structure for further improvement on dashboard, orders, points, account details, and addresses.

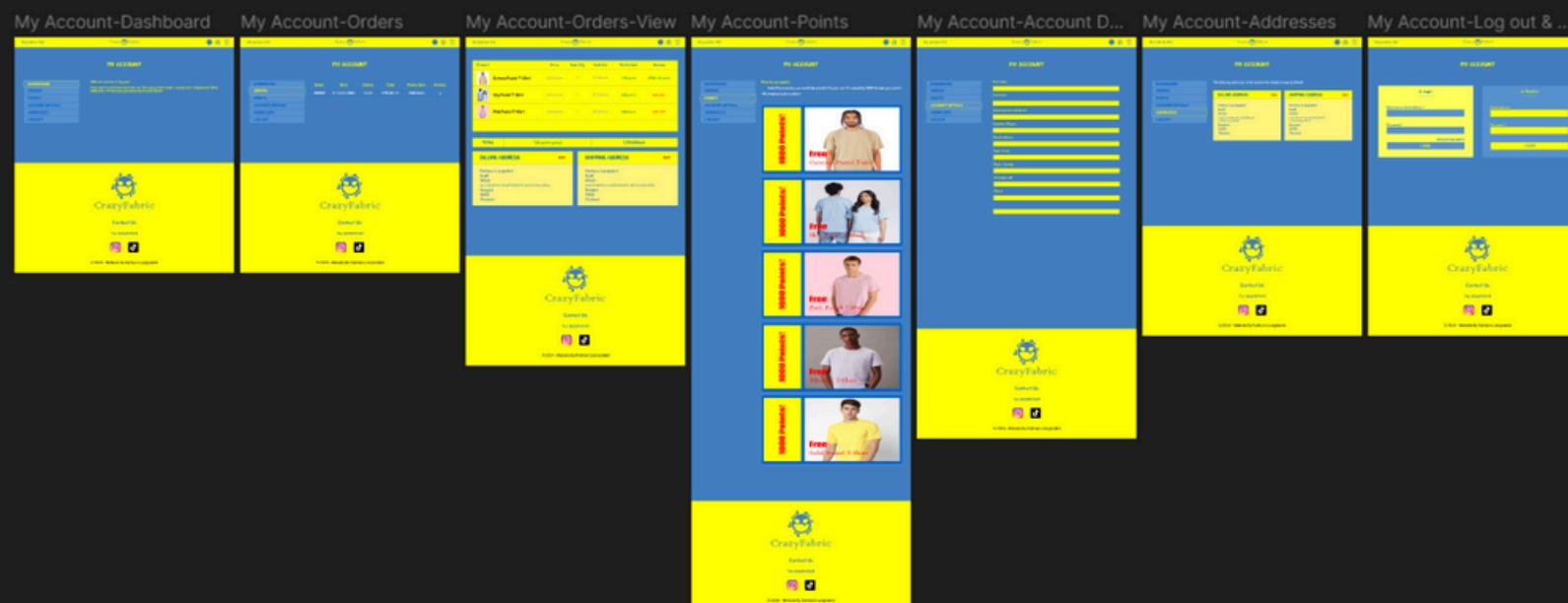
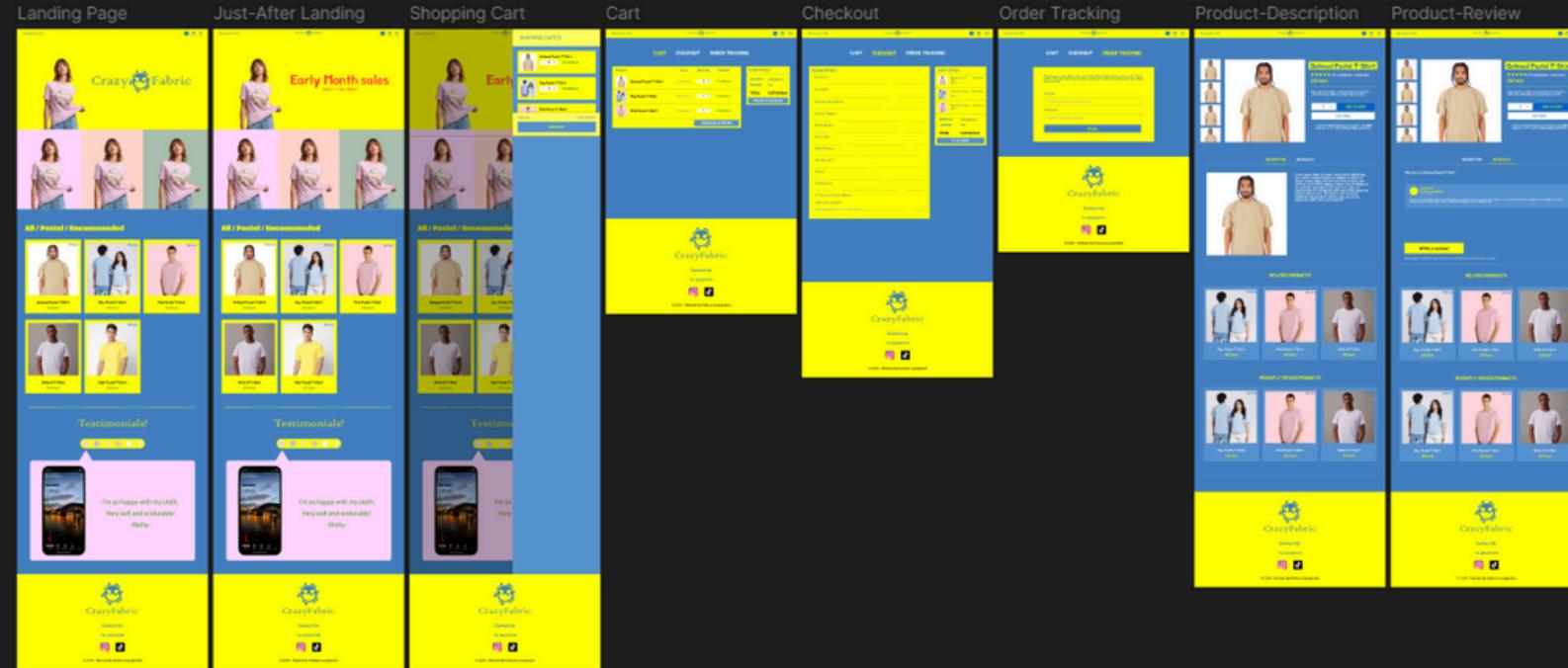


The screenshots demonstrate the following features:

- Homepage:** Shows a woman wearing a pink t-shirt with a graphic, a banner for "Early Month Sales Only in 1-7 July -20% off!", and a navigation bar with "User Profile", "Shopping Cart", and "Menu".
- Product Grid:** Displays three t-shirts: "Oat Milk" (beige), "Sky T-Shirt" (light blue), and "Pink T-Shirt" (pink). Each item has a price of 50 Baht and a "Add this to Cart!" button.
- Testimonial:** A pink box featuring a quote: "The Pink t-shirt is so cool I wear it all the time." by Emily Devi.
- Contact Us:** Includes the company logo, social media links for Instagram and TikTok, and contact information: Tel: 0636015911, Email: 2024 - Website By Patharn Liangkobkit.
- Account Page:** Shows a sidebar with "DASHBOARD", "ORDERS", "POINTS", "ACCOUNT DETAILS", "ADDRESSES" (highlighted in blue), and "LOG OUT". The main area displays "My Account" with sections for "BILLING ADDRESS" and "SHIPPING ADDRESS", both with edit buttons.
- Shopping Cart:** Shows a cart with three items: "Sky T-Shirt" (50 Baht), "Oatmeal T-Shirt" (50 Baht), and "Pink T-Shirt" (50 Baht). It includes "Add this to Cart!" buttons, a total of 300 Baht, and a "Checkout" button.

# SAMPLE OF WORK

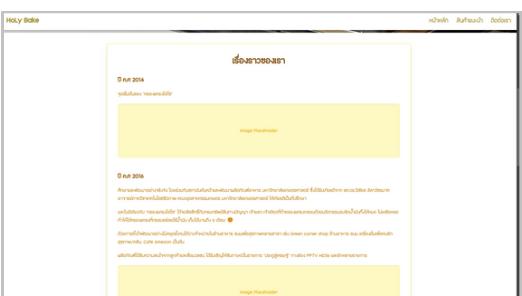
CRAZYFABRIC-WEBSITEX.VERCEL.APP WEBSITE  
DESIGNED GUIDELINE ON FIGMA



Crazyfabric-websitex.vercel.app is a website including mostly front-end for displaying t-shirts, testimonials, and structure for further improvement on dashboard, orders, points, account details, and addresses.

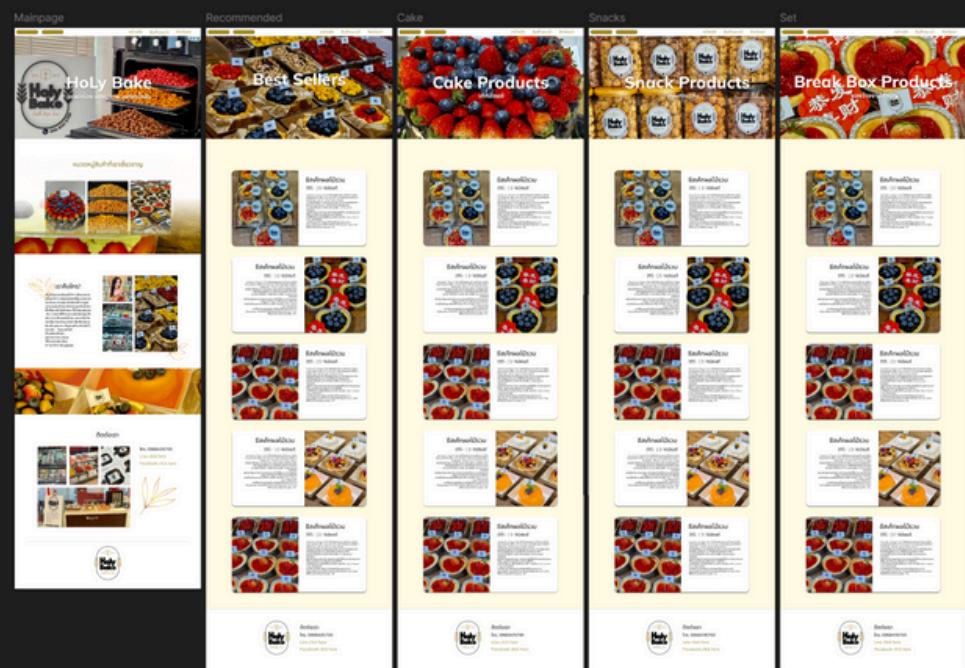
# SAMPLE OF WORK

## HOLYBAKE.VERCEL.APP WEBSITE



**Holybake.vercel.app** is a website I designed and developed for **HoLy Bake**, a homemade baking business. It showcases the brand's story and highlights its products through an engaging and visually appealing interface.

## DESIGNED GUIDELINE ON FIGMA



# Education

## High School

Bangkok Christian College

- Graduated with a Grade 12 cumulative **GPA of 3.85**

## University

King Mongkut's University of Technology Thonburi  
– Bachelor of Engineering in Computer Engineering

- Year 1, Semester 1: GPA 3.77
- Year 1, Semester 2: GPA 3.69
- Year 2, Semester 1: GPA 3.76
- Year 2, Semester 2: GPA 3.66
- **Current Cumulative GPAX: 3.72**



# A W A R D S

E-SAN Thailand PMU-B Coding & AI Academy Season 2

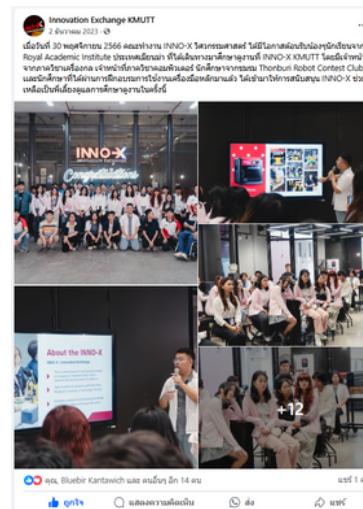
I was selected for the final round of the Hackathon & Pitching (E-SAN Thailand PMU-BI Coding & AI Academy Season 2) from 1,076 participants across Thailand. As part of a 20-team competition, we won **the Social Impact Prize** for the Smart Drive CCTV project, which detects road-crossing dangers using AI with YOLOv11 and Python.



# Activities



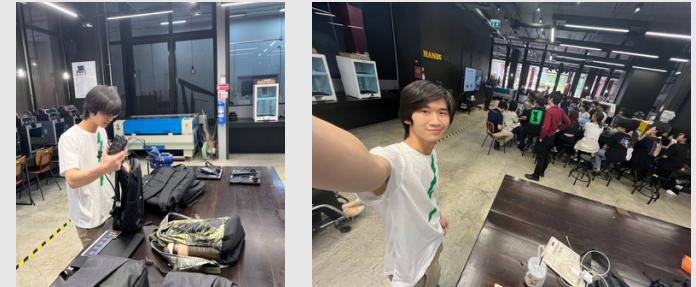
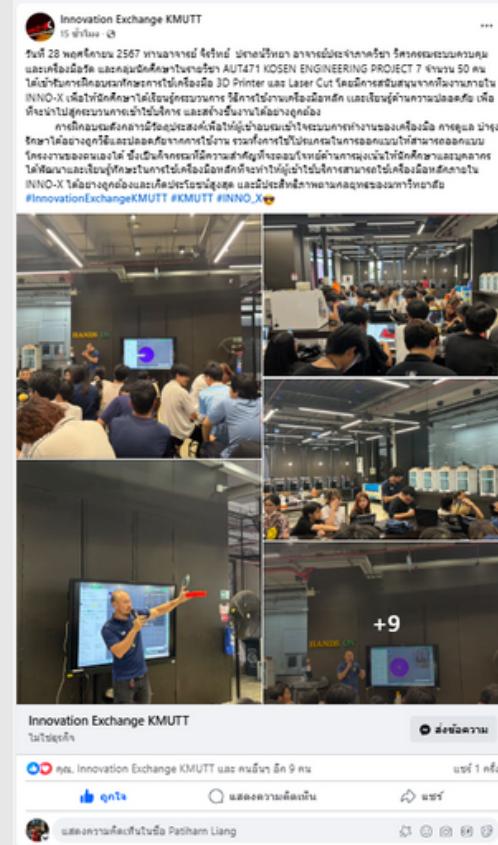
I had the opportunity to serve as a Teacher Assistant in the Web Development class at Comcamp 2024. The main topic was website design using React, with subtopics including JavaScript, Tailwind CSS, and HTML.



I had the opportunity to serve as a translator, assisting a professor in translating Thai to English during the Innovation Exchange at KMUTT for students from the Royal Academic Institute, Myanmar, on November 30, 2023.

# Activities

I had the opportunity to be a Teacher Assistant during the Innovation Exchange at KMUTT on November 28, 2024, supporting around 50 students from the Control and Instrumentation Engineering Department and the AUT471 KOSEN Engineering Project 7 course. I assisted in training students on how to use 3D printers and laser cutting tools.



# Activities



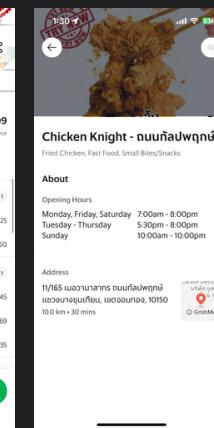
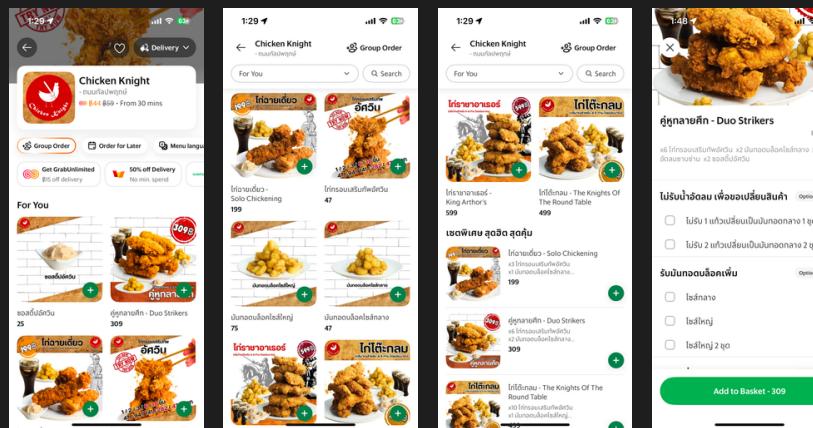
I had the opportunity to establish a fried chicken business, with the help of my family, called **"Chicken Knight"** with the goal of **supporting my family's income**. I was involved in every aspect of the process—from **concept development, branding, and menu creation** to **customer service and daily operations**. This experience not only helped strengthen our financial stability but also taught me valuable skills in **entrepreneurship, time management, and customer engagement**.



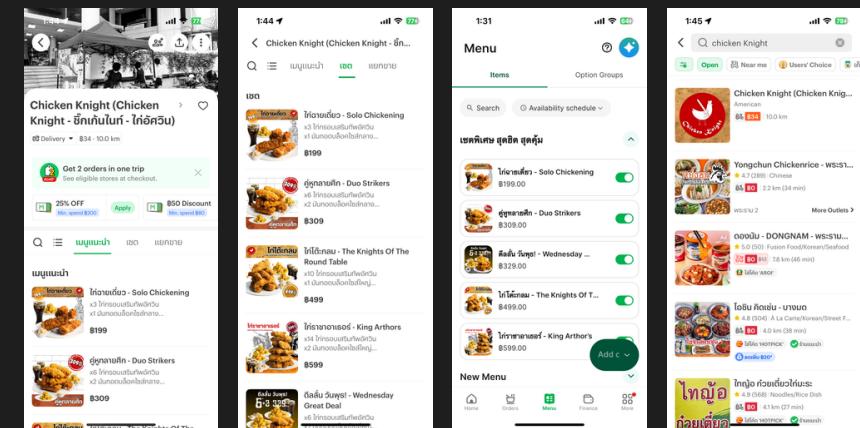
# Posters created



# GrabFood

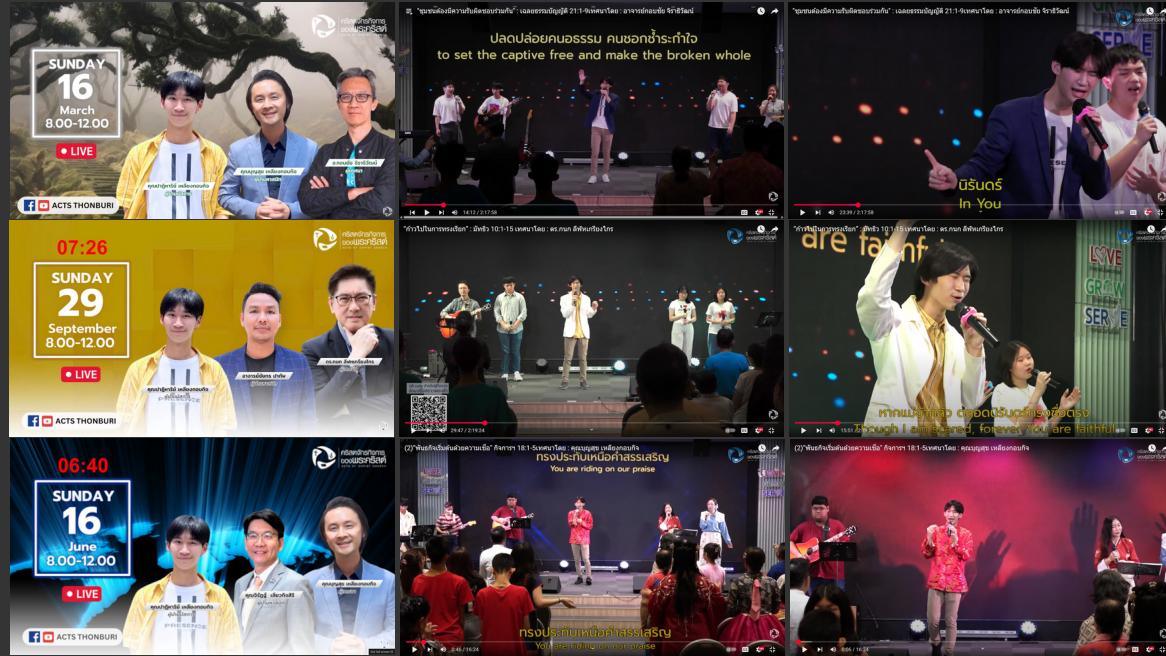


# Lineman



I also created and managed official accounts for **Lineman** and **GrabFood**, allowing **Chicken Knight** to reach a wider audience through popular food **delivery platforms**. This helped boost **visibility**, increase sales, and streamline the ordering process for customers.

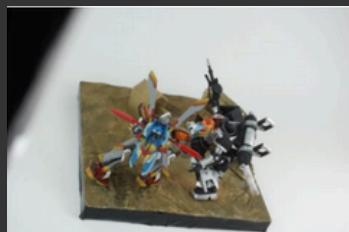
# A c t i v i t i e s



I have been actively involved in church life for **over 20 years**, regularly attending services and participating in various ministries. I serve on the **worship team**, contributing as a **bassist**, **guitarist**, **violinist**, **singer**, and occasionally as a **worship leader**. Over the years, I have also participated in numerous church camps and spiritual retreats, which have helped **strengthen** both my **faith** and **leadership skills**.



# Activities



I submitted my work to the **Gunpla Builders World Cup** in Thailand in **2018, 2019, and 2024**.



I had an opportunity to volunteer for 5 hours at First Baptist Church, Henderson, helping distribute food to people in need.



Participated in a one-year exchange program in the United States during the 2021–2022 academic year.



Served as a stagehand in the school's theatre club and received the Workhorse Award at the Theatre Banquet 2022.

## Activities

# Activities



Volunteered in the **Historical Archives Department** during Bangkok Christian College's 170th Anniversary Celebration (BCC170).



Served as a **camp committee member** for the "Pramuan Mitr Christian Once Again 2022" high school club camp.



Participated in a training program for industrial engineers organized by SIIT (Sirindhorn International Institute of Technology).

# Certificates

## COMPUTER SCIENCE AND BUSINESS



**E-SAN CODING AND AI HACKATHON**  
E-SAN THAILAND CODING & AI ACADEMY  
IN 2024

**E-SAN CODING AND AI HACKATHON**  
E-SAN THAILAND CODING & AI ACADEMY  
IN 2024

**E-SAN CODING AND AI HACKATHON**  
E-SAN THAILAND CODING & AI ACADEMY  
IN 2024

**ACA ALIBABA CLOUD HANDS-ON**  
ALIBABA CLOUD IN 2024



**INTERNATIONAL PATTERN DESIGN CONTEST**  
KMUTT IN 2024

**BUSINESS PLAN COMPETITION**  
KMUTT IN 2024

**COMPUTER SCIENCE CERTIFICATION**  
CODE COMBAT IN 2024

**OPERATION MANAGEMENT GAME**  
SIIT THAMMASAT UNIVERSITY IN 2022

# Certificates

## COMPUTER SCIENCE AND BUSINESS



### GAUSSIAN MIXTURE MODEL COURSE POWERCLASS.ORG IN 2024

### NLP CLASSIFICATION COURSE POWERCLASS.ORG IN 2024

### YOLO V.8 COURSE CERTIFICATION POWERCLASS.ORG IN 2024

### CODE2VEC COURSE POWERCLASS.ORG IN 2024



### 1D CNN COURSE POWERCLASS.ORG IN 2024

### IMAGE CLASSIFICATION COURSE CERTIFICATION POWERCLASS.ORG IN 2024

### MEDIA DESIGN FOR ADVERTISING KMUTT IN 2023

# Certificates

## LANGUAGE AND PERSONALITIES

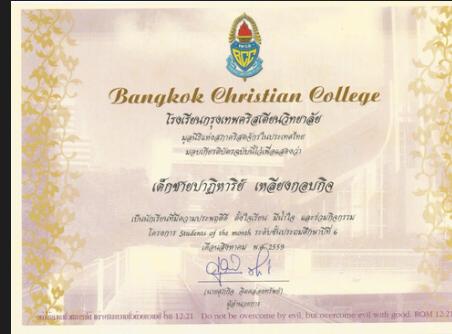


**STUDENT-EXCHANGE PROGRAM IN AMERICA**  
WORANTEK & AYP IN 2022

**BCC HISTORY HALL ORGANIZER**  
BANGKOK CHRISTIAN COLLEGE IN 2022

**READER OF THE YEAR 2019**  
BANGKOK CHRISTIAN COLLEGE IN 2019

**STUDENT COUNCIL ASSISTING CERTIFICATION**  
BANGKOK CHRISTIAN COLLEGE IN 2020



**READER OF THE YEAR 2020**  
BANGKOK CHRISTIAN COLLEGE IN 2020

**READER OF THE YEAR 2018**  
BANGKOK CHRISTIAN COLLEGE IN 2018

**STUDENT OF THE MONTH**  
BANGKOK CHRISTIAN COLLEGE IN 2016

**READING CLUB CERTIFICATION**  
NANMEEBOOKS IN 2017

# Certificates

## HEALTH AND BELIEF



## ACADEMIC EXCELLENCE IN CL218-UNI ACTS OF CHRIST CHURCH IN 2024

## YOUNG EVANGELIST CAMP PARTICIPATION YOUTH FIRST CONCERN FOUNDATION (YFC) IN 2023

## CHRISTIAN CHARACTER DEVELOPMENT CAMP ACTS OF CHRIST CHURCH IN 2022

## ALCOHOLIC PREVENTION CERTIFICATION SARABURI WITTAYAKHOM SCHOOL IN 2021



## BASIC LIFE SUPPORT TRAINING BANGKOK CHRISTIAN HOSPITAL IN 2020

## BOY SCOUT CERTIFICATION NATIONAL SCOUT ORGANIZATION OF THAILAND IN 2018