



# Sirasith Ruengsilapavilai

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## Educational

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King Mongkut's Institute of Technology Ladkrabang

August 2022 - Present

Bachelor of Science in Computer Science

GPA : 3.39

## Experience

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SAP Master Trainer – ASEAN DSE 2024

February 2024 – Present

- Selected as a **Master Trainer** for **ASEAN Data Science Explorers (ASEAN DSE) Enablement Session 2024**, empowering underserved youth across ASEAN.
- Conducted training on **SAP Analytics Cloud (SAC)** for **COVID-19 data analysis**, teaching participants how to apply data science techniques.
- Led hands-on workshops on **SAP Low-code/No-code** tools, guiding participants through:
  - **Mission #1** – Built a Barcode Scanner App using SAP Build Apps.
  - **Mission #2** – Developed an IT Order App with workflow automation.

Krungsri UniVerse x KMITL Hackathon Innovating for a Sustainable Future

July 2023

- Proposed the idea of an AI Smart Trash Bin for waste segregation in communities, integrating a Line Chatbot for real-time monitoring and reward-based participation.
- Designed a **prototype in Figma**, featuring key interfaces for **user registration, waste detection, and reward redemption**, optimizing user engagement and system usability.

## Project

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GearUp E-commerce Platform

March 2025 – Present

- Developing an e-commerce platform for buying and selling the gear and equipment using **Next.js** for the frontend and **Spring Boot** for the backend.
- Building and containerizing the backend with **Docker** for easy deployment and scalability.
- Deployed the **backend** on **AWS EC2** server using **Jenkins** for automated CI/CD pipeline.
- Provisioned and managed cloud infrastructure using **Terraform**, enabling consistent and automated deployment of AWS resources.

Looterz Website Board Game Online

June 2024 – Present

- Adapting the **Looterz board game** into a **web-based multiplayer experience**, allowing users to create rooms, manage game sessions, and track scores.
- Collaborating with friends to develop the game using **Next.js, Golang, and MySQL**.

Carbon Credit Marketplace

July – December 2024

- Designed and built a **carbon credit trading platform**, connecting sellers with buyers for transparent and efficient transactions.
- Designed a robust database using **MySQL** and an **ER Diagram**, and built the system with **Next.js** and **Express.js** for a seamless user experience.

Image to Text Converter

July – December 2024

- Built an AI-powered tool for extracting text from images with high accuracy
- Developed and fine-tuned AI models, built the backend with **Flask API**, and designed the frontend using **Svelte** for an intuitive user experience.

## Skills & Others

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### Technical

- **Programming Languages:** HTML, CSS, JavaScript, TypeScript, Java, Golang, SQL, NoSQL
- **Frameworks & Libraries:** React, Next.js, Svelte, Tailwind CSS, Express.js, Go Fiber, Spring Boot
- **Databases & Tools:** MySQL, Supabase, PostgreSQL, Oracle

### Soft Skills

- **Collaboration & Teamwork | Critical Thinking | Problem-Solving | Empathy**