# Saralchana Thongkham

>> **CONTACT**

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🌐 https://github.com/SaralchanaThongkham/my-portfolio.git

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## Software Engineer/ Programmer

**DATE OF BIRTH:** 08/04/2000

**NATIONALITY:** Thai

## HARD SKILL

- Programming For Manufacturing Systems (C and Python)
- Windows Forms (.NET Framework)
- C# Programming
- Engineering Laboratory
- Document Preparation
- Cira Core

## SOFT SKILL

- Empathy
- Problem Solving
- Patience Initiative
- Leadership

## ACTIVITIES

- The AMI 3 Camp
  - Document Preparation Department
  - Compose documents and prepare to present
  - Trainer math camp
  - Photographer in the activities of the Institute

- Samsung Solve for Tomorrow 2023
  - Training workshops on design thinking and entrepreneurship

## EDUCATION

✅ **2018 – 2022** **Advanced Manufacturing Innovation (Manufacturing System Engineering)** King Mongkut's Institute of Technology Ladkrabang

✅ **2015 – 2018** Princess Chulabhorn Science High School, Satun

## INTERNSHIP AND WORK EXPERIENCE

✅ **April 2024 – July 2025 :  Software Engineer @ Photonics Science Co., Ltd.**

**Business: Industrial Laser Systems & Automation**

– Developed control software for laser systems, focusing on motion control, serial communication, and UI/UX using C# and Windows Forms (.NET Framework).

✅ **April 2023 – April 2024 : Innovator @ Demorgan Ltd., Part.**

**Business: Edtech & Innovation Consulting**

– Educate secondary school students about the application of Arduino in creating innovative projects.

– Educate elementary school students about the use of micro:bit with their applications in daily life.

– Provide consultancy for secondary school students in their projects involving innovative solutions for schools.

✅ **August 2022 – March 2023 : Industrial Engineering (IE) @ Summit Auto Seats Industry Co., Ltd.**

**Business: Automotive Parts Manufacturing**

– Calculate the production capacity of the factory's production line on a monthly basis and forecast the production capacity from 3 to 6 months later.

– Improve production line balance to shorten production time.

✅ **Manufacturing Information System Department (AMD) June 2021 – November 2021 : Intern in Automation and @ Federal Electric Corporation Ltd.**

**Business: Home Appliance Manufacturing (Sharp)**

– Program Raspberry Pi using Python to receive sensor data from the factory points between Arduino and Raspberry Pi.

– Program website page to show data with red nodes.

– Calculate the value of sending data to the Kepware server.