

# TAKWA SASOLENG



## CONTACT

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## PESONAL INFO

**CITIZENSHIP** : Thai

**DATE of BIRTH** : 2003, June 03

## EDUCATION

### Bachelor's degree 2022 - 2025

Walailak University, School of Informatics  
(Innovation of Medical Informatics)  
GPAX : 3.82

### High school's degree 2019 - 2021

Samarddee Witya School, Pattani

## SKILLS

### Hard Skills

- HTML / CSS
- REST API
- PHP / MySQL
- Next.js / React
- JavaScript

### Tools

- Git / GitHub
- VS Code
- MySQL Workbench

### Soft Skills

- Responsible
- Teamwork
- Punctual
- Pressure Handling
- Problem Solving

## LANGUAGES

- Thai (Native)
- English (Intermediate)
- Malay (Intermediate)

## VISION

"Our soul is for the benefit of mankind."

## REFERENCES

Asst.Prof.Bukhoree Sahoh, Ph.D. | Advisor

 bukhoree.sa@mail.wu.ac.th  (66) 88 790 4366

Assoc.Prof. Yunyong Punsawad, Ph.D. | Lecturer

 yunyong.pu@mail.wu.ac.th  (66) 86 909 1568

## PROJECT RESEARCH

June 2024 - May 2025

**Effects of ambient air velocity on personal thermal comfort- based I hypersensitivity patients: case study of portable fan control.**

### Preventive Medical Technology Project

Developed a machine learning for I hypersensitivity management using physiological signals Electrodermal Activity (EDA), heart rate variability (HRV), and skin temperature (ST) to :

- Predict individual thermal comfort levels
- Monitor and analyze optimal airflow conditions for hypersensitive patients
- Create early alert warnings based on environmental factors (air velocity, temperature, humidity) and patient-specific Data to prevent symptom exacerbation

April - November 2025

## INTERNSHIP EXPERIENCE

### Internships at Thaksin Hospital

Nurse Productivity Management System

- Developed a web application to optimize nurse allocation based on actual workload, enhancing workforce management efficiency and improving patient care quality

Medical Equipment Management System

- Developed a comprehensive web application for end-to-end medical equipment management, covering preventive maintenance scheduling, calibration tracking for accuracy, safety compliance monitoring, and real-time equipment status tracking (including repair status, disposal records, and location transfers), ensuring equipment readiness, accuracy, and safety standards