



SUPHITCHA CHOMCHUEN

097-150-4470

31/2 Moo 1, Don Ruak, Don Tum,
Nakhon Pathom 73150,
Thailand

Suphitcha03

Suphitchac03@gmail.com

ABOUT ME

Electronics and Computer Systems Engineering student with strong logical and problem-solving skills developed through engineering experience. Currently focusing on Python, SQL, Excel, and Power BI to build expertise in Data Analytics. Passionate about transforming data into actionable insights that drive efficiency and innovation within organizations.

EDUCATION

SILPAKORN UNIVERSITY

Faculty of Engineering and
Industrial Technology, Major in
Electronics and Computer
Engineering

2021 - 2025

HARD SKILLS

- Python
- Data Cleaning & Visualization
- SQL
- Data Interpretation
- Power BI
- Microsoft Office
- Excel

SOFT SKILLS

- Analytical Thinking
- Adaptability
- Communication
- Time Management
- Teamwork
- Problem Solving

LANGUAGES

Thai - Native

English - Intermediate

Spanish - Beginner

WORK EXPERIENCE

INTERN – PROVINCIAL ELECTRICITY AUTHORITY, CENTRAL REGION 3, NAKHON CHAI SI APR 2024 – JUN 2024

- Assisted in installing and configuring Windows operating systems and office applications.
- Checked and maintained printers and other computer equipment within the office.
- Supported IT staff with basic hardware troubleshooting such as RAM cleaning and system startup issues.
- Coordinated computer repair requests and ensured proper documentation and delivery to maintenance teams.

PROJECT

DEVELOPMENT AND TESTING OF IMAGING PROCESS FOR RADIO TOMOGRAPHICAL IMAGING SYSTEM

Objective: To analyze radio signal attenuation data and evaluate object detection performance using RTI technology for smart monitoring applications.

Description: Studied data from a wireless sensor network (IoT-based system) to interpret and visualize signal changes caused by object movement.

Role : Responsible for data cleaning and visualization tasks – cleaned and processed raw signal data using Python, then generated comparative analysis charts in Excel with teammates.

Problems: Data inconsistency and signal noise affecting accuracy.

Solutions: Applied data filtering and Exponential model to reduce Mean Square Error (MSE) and enhance result reliability.

Results: Limited detection accuracy due to high signal attenuation and wave reflection interference.

Learnings: Developed skills in data interpretation, teamwork, and technical communication.

Future Development: Improve experiment setup and upgrade hardware (ESP32 5 GHz) to reduce noise and enhance precision.

PROCUREMENT KPI ANALYSIS (KAGGLE DATASET)

Objective: Analyze procurement data to evaluate supplier performance and identify process improvement opportunities.

Description: Cleaned and transformed procurement datasets using Python, validated data integrity through SQL queries, and visualized key KPIs (supplier lead time, PO efficiency, cost trend) in interactive Power BI dashboards.

Role: Handled missing and inconsistent data using Python; merged and validated tables with SQL; designed interactive visualizations in Power BI.

Problems: Encountered missing supplier records and inconsistent PO data across sources.

Solutions: Used Python (Pandas) for data imputation and normalization; verified relationships between tables using SQL joins.

Results: Developed Power BI dashboards that display supplier performance, PO efficiency, and cost analysis insights for strategic decision-making.

Learnings: Enhanced skills in data cleaning, SQL querying, and dashboard storytelling for business intelligence.

Future Development: Plan to integrate predictive analysis and add dynamic filtering for deeper supplier performance insights.