



SUPHITCHA CHOMCHUEN

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Suphitcha03

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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 opportunities to improve procurement processes.

Description: Cleaned and transformed a procurement dataset from Kaggle using Python, and visualized key performance indicators (KPIs) through interactive Power BI dashboards.

Role: Handled missing and inconsistent data using Python (Pandas) and designed interactive dashboards in Power BI to communicate insights effectively.

Problems: Some supplier records were missing, and purchase order (PO) data contained inconsistencies.

Results: Developed a Power BI dashboard that visualized supplier performance, cost trends, and risk levels to support strategic decision-making.

Learnings: Enhanced understanding of data-driven decision-making and strengthened analytical thinking to translate technical data into clear business insights.

Future Development: Plan to add predictive analytics and advanced interactive filters to enable deeper and more dynamic data exploration.