

PONGSAKORN SRIMANG

DATA ANALYST

CONTACT



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EDUCATION

B.Eng. in Computer Engineering

King Mongkut's University of Technology
Thonburi(KMUTT)

GPA: 3.07

Relevant courses

Database System

Statistics

Data Models

Machine Learning

Applied Machine Learning

Algorithms

Linear Algebra

Fundamental of Cyber Security

Teacher assistant

Computer Network

SKILLS

Programming

Python (intermediate)

SQL (Intermediate)

Javascript (Intermediate)

Data Tools: Google Sheets(GAS) Excel, numpy,
pandas, matplotlib, seaborn, scikit-learn,
Power BI (Beginner)

Web Development: React, Node.js, Express,
HTML, CSS, PostgreSQL, MySQL, Postman

Mobile Development: React Native

Others: Git, REST API

LEARNING AND INTEREST

Power BI: kaggle data (Currently learning)

Data-driven decision making (Interest)

Visualization storytelling (Interest)

CAREER OBJECTIVE

Recent Computer Engineering graduate with hands-on experience in **data collection, cleaning, and analysis** through a senior project focused on building a recommendation system from survey data. Passionate about using data to drive practical solutions. Eager to apply analytical thinking and technical skills in a data-driven role to create meaningful impact.

PROJECTS

[Senior Project] Location Recommendation and Travel Planning App – "PlaceMate"

Oct 2024 - Apr 2025 | Python, Google Maps API, PostgreSQL, Node.js, React

- Led system architecture design for the entire system.
- Collected user preference data via Google Form and processed location data using the **Google Maps API**
- Created a **data pipeline** to transform JSON data into structured format (Excel, PostgreSQL) using **Python (pandas)**
- Designed and implemented a **content-based filtering** algorithm to recommend places based on user similarity scores
- Collaborated in a team of 3, integrating the recommendation engine into a full-stack web app
- Achieved consistent performance in delivering personalized suggestions across multiple test scenarios

Personal Expense Tracking App – "Savia"

Mar 2025 | Google Sheets, App Script API, React Native

- Built a mobile app to track and visualize personal spending, integrating with **Google Sheets API** for real-time data sync
- Developed interactive dashboards with bar, pie, and line charts to monitor spending behavior
- Extracted insights from 2-month usage data, helping reduce unnecessary spending by **11%**

Fish Swarm Optimization Algorithm(FSA), Genetic Algorithm(GA) and others

MAY 2023 | Python, matplotlib

- Implemented **Fish Swarm Optimization (FSA)** and **Genetic Algorithm (GA)** in **Python** to solve a multi-objective travel planning problem.
- Optimized for minimum cost, maximum city visits, and a 14-day travel constraint.