Kanokwan Uesirirungrueng

Phone: 061-685-2669
Email: kanokwan.uesiri@gmail.com
Linkedin: linkedin.com/in/kanokwan-uesiri

Address: 655/8 Chalongkrung 1,
Ladkrabang, Bangkok, Thailand

EDUCATION

King Mongkut's Institute of Technology Ladkrabang (KMITL)   **2022-2026**
Faculty: Information Technology
Major: Data Science and Business Analytics (DSBA)
Degree: Bachelor
Current Academic Year: 4th Year Student

WORK EXPERIENCE

IdeaTrade - Investment Advisory Team with Public Page Presence, Bangkok, Thailand   **Apr 2025 - Jun 2025**
Data Science Intern

- Built a **Transformer model** to predict Buy/Hold/Sell signals using technical indicators
- Balanced data with SMOTE and trained the model using **PyTorch**
- Performed backtesting with custom exit strategies
- Developed **ML pipeline** including data extraction, feature engineering, inference, and visualization
- GitHub: https://github.com/Kanokwan-hub/ideatrade-internship.git

PROJECTS

Customer Package Purchase Analysis Using Machine Learning

- Predicted potential buyers for "Tour Long Unlimited" using behavioral & demographic data.
- Built and evaluated models (**CatBoost, LightGBM**) with **Python & AutoGluon** to support marketing strategies.

Data Warehouse for E-Commerce Project

- Developed a Data Warehouse for the Olist e-commerce platform to analyze customer purchase behavior, order management, and business performance.
- Utilized **PostgreSQL, Pentaho Data Integration** for Database & ETL, programmed with **Python, SQL,** and delivered insights via **Power BI**.

ASL Learning Platform

- Built web platform for ASL fingerspelling with **real-time CNN gesture recognition** using **TensorFlow & Keras**.
- Developed with **FastAPI, Tailwind CSS, JavaScript,** and **MySQL database**.

Cloud Project

- Migrated on-premise web app to **AWS** for scalability, cost reduction, and security.
- Built ML-powered system to predict cow milk production from images using **FastAPI, MySQL (RDS),** and AWS services (**EC2, S3, Auto Scaling, LB, Route 53, CloudWatch, WAF, IAM, Cognito**).

SKILLS

Programming Languages:
Python, R, SQL, PHP, HTML, CSS
Computer Software / Frameworks / Tools:

- Data Analysis & Visualization: Microsoft Excel, Power BI, Tableau, SPSS, RStudio
- Databases & Platforms: MongoDB, Neo4j, Docker
- Cloud Platforms: AWS, Google Cloud
- Machine Learning Frameworks: TensorFlow, Keras, PyTorch

LANGUAGE

English : EFSET - B2 Upper Intermediate
certificate URL [https://cert.efset.org/en/bEUpCE]