TORNTAN CHAINANT

DATA SCIENTIST | DATA ANALYST

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PROFESSIONAL SUMMARY

Data Science postgraduate from the University of Exeter with strong skills in Python, data analytics, and machine learning. Experienced as a Junior Data Analyst and Test Engineer, I bring adaptability, bilingual proficiency (Thai/English), and a passion for innovative, data-driven solutions.

ACADEMIC BACKGROUND

KASETSART UNIVERSITY   2017 - 2021
BACHELOR OF ENGINEERING IN ELECTRICAL ENGINEERING   Bangkok, Thailand
(SECOND CLASS HONOUR)

UNIVERSITY OF EXETER   2023 - 2024
MASTER OF SCIENCE IN DATA SCIENCE   Exeter, United Kingdom
(WITH DISTINCTION)

DATA SCIENCE EXPERIENCE

- Developed a hybrid optimization model using Reinforcement Learning (RL) and Genetic Algorithms (GA) to improve application mapping efficiency in Network-on-Chip (NoC) architectures, achieving reduced communication costs and enhanced convergence robustness. (MSc Final Project)
- Developed a machine learning model for e-commerce text classification using TF-IDF and Linear SVM, achieving 95% test accuracy in categorizing products into Electronics, Household, Books, and Clothing & Accessories. (social networks and text analysis project)
- Analyzed customer response to banking marketing data using logistic regression to predict client subscription to term deposits, achieving an AUC score of 0.816 and identifying challenges related to class imbalance.

CAREER HISTORY

SONY DEVICE TECHNOLOGY (THAILAND)   July 2021 - May 2023
TESTER ENGINEER (DATA ANALYSIS)

- Ensuring image sensors met quality standards before market release by analyzing test data to identify patterns and anomalies.
- Established criteria and distribution value for evaluating the performance of image sensors during the testing phases.
- Supplied critical test data and analysis results to support other teams, aiding in cross-functional projects and decision-making.

CORE SKILLS

- **Programming language:** Python, Assembly, C, C#, Arduino, SQL
- **Cloud Platforms & Tools:** AWS (EC2, S3, Lambda, CloudWatch)
- **Visualisation tools:** Python library (Matplotlib, Seaborn), Tibco Spotfire
- **Software:** Microsoft Office, Matlab, Prometheus, VBA, SPSS
- **Personal Skills:** Problem-solving, analytical thinking, AI tool proficiency
- **Language:** Native Thai, Moderate English communication (IELT 6.5)

ACHIEVEMENT

- Scholarship Outstanding academic of the second semester year 2018.
- Winner of robot tracking colour way 2020.
- DMD Award smart factory at Sony Device company 2021.