Santi Wongprasoet

Mobile: +66-61-474-5146
Email: santi.wps@outlook.com
LinkedIn: www.linkedin.com/in/santi-wongprasoet
GitHub: www.github.com/NOTST

Objective

My name is Santi Wongprasoet and I am a new data scientist based in Bangkok, Thailand. I had a bachelor's degree in electrical engineering from Chulalongkorn University, however, I has a strong passion for data science while working on machine learning project and taking self-online courses. I am curious, judgmental, and argumentative person in data and enjoys learning new things. I love statistic, machine learning and data analysis to tell the stories to communicate the finding, answer the questions, or make recommendations.

Experiences

Graduate Associate – Performance Engineer Jun 2022 – Present
Gulf Energy Development Public Company Limited, Bangkok, Thailand

- Developing machine learning of prediction maintenance in power plant equipment with IT department (data understanding, preparation, cleansing ,and algorithms)
- Optimized and studied penitential project or feasibility, for example, to reduce impact on selling less electricity when industry users install solar rooftop in high growth rate.
- Analyzed power plant anomalies by finding correlation between parameters or trend of data and visualized the findings with excel
- Planned and studied the model of power plant process and operations for smooth and safety operations

Projects

GULF machine learning project

- Predictive maintenance using maching learning to detect anomalies on equipment to anticipate problems that can be fixed before resulting in failure
- Several cost savings: Minimizing the time that the equipment is being maintained, the production hours lost to maintenance and the cost of spare parts and supplies
- Built Regression model then calculate health score to check an outlier and K-Nearest Neighbor model that indicate how much equipment as whole has deviated from historical
- Built with Python, Alteryx software, Google colab, Excel and VS studio code

Link to see more: www.github.com/NOTST/Machine-Learning-Anomaly-Detection

SpaceY First Stage Reuse (IBM Data Science Final Project)

- The research aims to identify the factors for a successful rocket landing and to predict landing outcomes
- Collect data with SpaceX REST API and web scraping, then wrangle data
- Explore data via EDA with SQL and visualize with Folium and Plotly Dash
- Build models to predict landing outcomes using classification models and evaluate models

Link to see my finding: www.github.com/NOTST/IBM-Data-Science-Capstone-SpaceX

NYC Taxi Tip Prediction

- The research aims to identify the factors that affect taxi tip and to predict tip as a percentage of the total fare
- Data analysis, feature engineering, feature selection and tuning model using jupiter notebook
- Build predictive model using gradient boosting model and more

Link to see my finding: www.github.com/NOTST/Taxi-Tip-Prediction

Educations

Bachelor of Engineering in Electrical Engineering *(Power & Electronic Engineering)* Aug 2018 – Jun 2022
GPA: 3.61 (1^{st} class honour)
Chulalongkorn University, Bangkok, Thailand

Skills

- **Data skills & Programming**: Python, Pandas, Scikit-learn, SQL, Machine learning, Statistic, Power BI
- **General Software**: Microsoft Office (Word, Excel, PowerPoint)
- **Soft Skills**: Leadership & Management, Interpersonal & Communication, Presentation, Planning

Languages

- **Thai** *(Native)*
- **English** *(Intermediate),* TOEIC (Aug 2020): Listening 445, Reading 405
- **Japanese** *(Basic)*

Certifications

- IBM Data Science (Coursera)
- Data Science Pathway (ChulaMooc)
- Microsoft Power BI Destop for Business Intelligence (Udemy)
- Statistical Data Analysis (Mverge)

Link to see: www.github.com/NOTST/Certificates-DS

References are available upon request