NATRADA SURACHETTAPONG

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EDUCATION

Chulalongkorn University (Bangkok, Thailand)   August 2020 - July 2024

Bachelor of Engineering (ISE), International Program, Major in Information and Communication Engineering (ICE)

·Cumulative GPA: 3.22

Hwa Chong International School   January 2016 - November 2018

Secondary School in Singapore

SKILLS

Technical Skills:

- **Programming Languages:** Java, JavaScript, Python, R
- **Databases & Data Management:** SQL, MySQL, MongoDB, Data Warehousing, Amazon RDS
- **Data Engineering & Analysis:** Data Engineering, Data Analysis, Data Visualization (Tableau, MATLAB, Amazon QuickSight), Business Intelligence (BI), Statistics
- **Data Science Libraries:** NumPy, Pandas, Seaborn, Matplotlib, Scikit-Learn
- **Machine Learning Algorithms:** K-Nearest Neighbors, Naive Bayes, ANN, Random Forest
- **Data Collection & Web Scraping:** Selenium, Beautiful Soup
- **Web Development:** HTML, CSS, JavaScript, TypeScript, React.js, Node.js, Bootstrap, Material UI, Tailwind CSS
- **UX/UI Design:** Figma
- **Cloud Computing & Infrastructure:** AWS (EC2, S3, Glue, RDS, VPC, IAM), Google Cloud Platform (GCP)

Language skills:

- Native in Thai, Advance level in English (TOEIC: 905), Beginner level in Mandarin Chinese (IGCSE Mandarin Chinese-Foreign Language)

WORK EXPERIENCE

Hewlett Packard Enterprise (Bangkok, Thailand)   June - August 2023

Presales Consultant Interns, Solution Architect

- Analyzed customer infrastructure to design cost-optimized AI/ML, HPC storage, and data service solutions; presented proposals and collaborated with specialists and account teams for HPE solution implementation.
- Developed a web-based learning project on data-first modernization, showcasing HPE's strategies, solutions, and products, and emphasizing their value in data modernization.

PROJECTS

Web-based American Sign Language (ASL) Translation Platform - MANU   August 2023 - May 2024

Frontend Developer, UX/UI Designer, Communication Engineer

- Designed and developed the front-end of a web-based platform for learning and translating ASL movements into text using JavaScript, TypeScript, and React.js; utilized Figma for UI design and conducted user experience analysis.

Art Toy Price Prediction on Shopee   March - April 2024

- Conducted web scraping using Beautiful Soup and Selenium to collect art toy sales data from the Shopee platform, processed the data, selected relevant features, and applied machine learning algorithms (KNN, Naive Bayes, ANN, Random Forest) to predict art toy prices.

Data Warehouse for eBay Sales and Order Life Cycle Analysis   March - May 2024

- Performed data cleansing and preparation on eBay order lifecycle and sales data, designed a data warehouse, built an ETL pipeline using AWS Glue, and created BI dashboards in AWS QuickSight to analyze sales and track order lifecycles.

Web Application - Milemap   January - April 2023

UX/UI Designer

- Designed and developed the Milemap user interface in Figma, conducting user experience research to create a task management platform with roadmap features aimed at enhancing self-improvement and reducing procrastination.

Mobile Application for Medical Data and Cost Estimation   October 2021

- Designed and developed a mobile application to analyze medical data, including cost estimation based on age and BMI, by integrating with MongoDB database via Flask API and presenting data visualizations.

Data Analysis on the most streamed songs on Spotify   October 2021

- Analyzed and identified the factors affecting the top 100 most streamed songs on Spotify using data from Kaggle.com, applying data science libraries and presenting findings through data visualizations.