



# NUTTHA SIRILERTWORAKUL

## Contact

### ADDRESS

Bangkok, Thailand

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## Tech Skills

### LANGUAGES

Python, R, Java, C#, Shell  
scripting, SQL

### WEB TECHNOLOGIES

React, Gatsby, Node.js

### DATA FRAMEWORKS

Hadoop Ecosystem (Spark/Hive)

### DATABASES

Microsoft SQL, Oracle, Teradata

### CLOUD PLATFORMS

Amazon AWS, Google Cloud  
Platform, Microsoft Azure

### VISUALISATION TOOLS

Tableau, Microsoft PowerBI

## Highlights

### TECH/ART CLUB (PRESENT)

Create digital art by combining  
creativity and technologies

### TECH EVENTS (2014 – 2017)

ACM, IEEE Xplore, NSC, DTAC  
Accelerate

### PROGRAMMING CLUB (2013 – 2016)

Founded the club, held  
knowledge sharing, and  
participated in contests

### MU BRAND AMBASSADOR (2013)

Represented Mahidol University  
in social services

## About me

Passionate in data analytics and problem solving, my interest includes machine learning, natural language processing, and behavioural psychology. My goal is to make use of data to understand the complexity of our world and improve the quality of life on the planet.

## Experience

### DATA AND BUSINESS INTEGRATION ANALYST, ACCENTURE – 2018 - PRESENT

- Gathered and analysed requirements from banking product owners
- Designed and developed a classifier to classify bank customers
- Implemented data pipelines (ETL) for data integration and analytics
- Set up internal Git version control and guidelines for projects
- Designed and built a role-based access control on database system

### SOFTWARE ENGINEER, MICROSOFT – 2016 - 2017

- Developed a content tool and services for documentation writers on docs.microsoft.com
- Visualised and analysed users' telemetry data
- Authored use cases and test plans

### RESEARCH INTERN, BREMEN UNIVERSITY, GERMANY – 2015

- Improved data quality on OpenStreetMap by building an associative classifier to suggest types of green entities (e.g. park, garden, forest, etc.) to map contributors

## Projects

### TOPIC MODELLING OF CUSTOMER REVIEWS; MAHIDOL UNIVERSITY, TH – 2018 - 2019

- Processed and summarised text reviews (Natural Language Processing) from tourist attractions into topics, visualising customers' insights

### NET CONTRIBUTION PREDICTION; AGODA, TH – 2018

- Predicted future revenue to support marketing investment decision making by developing linear regression model on customer history data

### SAMSUNG GALAXY GIFT DASHBOARD; BUZZEBEES, TH – 2017

- Visualised user profiles and behaviours inside Samsung's application

### HOME AUTOMATION FOR PHYSICALLY-IMPAIRED; MAHIDOL UNIVERSITY, TH – 2016

- Developed home automation controlled via brainwaves through Brain Computer Interface (BCI)

### MOBILE APPLICATION FOR KIDS VISITING THE ZOO; MAHIDOL UNIVERSITY, TH – 2014

- Developed a mobile application which navigates and promotes wildlife conservation inside the zoo using augmented reality (AR)

## Education

### MASTER OF SCIENCE, COMPUTER SCIENCE; MAHIDOL UNIVERSITY, TH – 2019

- Researched on Statistical Modelling and Natural Language Processing

### BACHELOR OF SCIENCE, INFORMATION AND COMMUNICATION TECHNOLOGY MAHIDOL UNIVERSITY, TH – 2016

- Earned First Class Honours and Full Scholarships
- Assisted teaching on the course Data Structure and Algorithm Analysis
- Founded a programming club and participated in contests