

Nutcharee Samsawang

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Portfolio https://nutchareessw.github.io/sam_portfolio/

LinkedIn <https://www.linkedin.com/in/nutcharee-samsawang/>

Detail-oriented junior software developer with a comprehensive understanding of software development using Python to build RESTful APIs to served data to the JavaScript front-end. Advanced web development using HTML5, CSS and Javascript plus basic knowledge of React framework. A collaborative team leader with strong analytical skills and problem-solving skills to complete project objectives in a timely manner. Quality-driven and self-motivated individual with a superior work ethic and diligent nature.



Work History

2021-10 -

Current

Data Science Developer Intern | Austal, Perth Australia

- Researching the technologies of optimisation open-source software for support a project use.
- Developing solutions and building products utilizing various coding languages and open-source software.
- Building an API endpoint using Flask, Python Pandas and optimisation open-source software to solve an overlapping issue in the maintenance plan.
- Working with a team of developers to maintain and improve the company's project.

2016-06 -

2016-12

Level 1 IT Support | Internet Thailand Public Company Limited, Bangkok, Thailand, Thailand

- Provided Tier 1 IT support to non-technical internal users through desk side support services.
- Built and provided basic end-user troubleshooting and desktop support on Windows and Mac systems.
- Provided user support via phone, email and remotely.
- Assisted customers in identifying issues and explained solutions to restore service and functionality.
- Submitted service tickets for equipment maintenance requests.
- Resolved issues with systems, hardware and telephones quickly and accurately.



Technical Skill

- **Web and Programming Languages.** HTML5, CSS, Bootstrap, Python (FastAPI, Flask), R, basic SQL, JavaScript and React framework.
- **Version Control.** Git
- **Python and Machine Learning Libraries.** Numpy, Matplotlib, Pandas, TensorFlow, scikit-learn.
- **Tools and Software.** Visual studio code, Visual Studio 2019, JupiterNotebook, Rstudio, Spider, Microsoft 365, RapidMiner, Tableau, SPSS



Education

2021-04 –
2021-01

Google IT Support Professional Certificate

- Four-month IT support program, developed by Google, that covers troubleshooting, customer service, networking, operating systems, system administration, and security, and includes hands-on labs.

2018-07 –
2020-07

Master of Information Technology: Data Science

Murdoch University - Perth, WA

- Graduated with 2.93 GPA
- Scored 10 Units with High Distinctions/Distinctions
- Thesis: A Survey of Deep Learning Techniques for 3D Reconstruction of the Human Body Shape

2012-08 –
2016-03

Bachelor of Computer Engineering

King Mongkut's Institute of Technology - Bangkok, Thailand

- Graduated with 2.94 GPA
- Thesis: Routing System via Google Maps API



Other Work Experience

2020-05 –
2021-03

Subway Store Manager | Subway Jandakot Airport

- Reviewed and monitored scheduling, purchases and other expenses to maintain quarterly budget.
- Set effective store schedules based on forecasted customer levels, individual employee knowledge and service requirements.
- Reviewed performance data to monitor and measure productivity, goal progress and activity levels.



Projects

- **React Project: Developing movie browser application**

Link: <https://nutchareessw.github.io/movie-browser-app/>

Project Detail: developing a search function in a single page application to search movies from moviedb api

- **HTML and CSS project: Developed Website using HTML and CSS**

Link: https://nutchareessw.github.io/html-css_project/

- **Analysis machine learning algorithms performances based on handwritten digits dataset.**

Duration: May 2020 – June 2020

Technologies: TensorFlow, Python, Machine Learning Concepts

Project Detail: developed the python program based on Convolutional Neural Networks approach and TensorFlow concepts to classify the handwritten database and analyses the performance between models.

- **An Artificial Intelligence Technique for Predicting Heating and Cooling load**

Duration: April 2020 – June 2020

Technologies: Python, Artificial Intelligence Concepts

Project Detail: developed python program to predict the heating and cooling load using different machine learning methods based on energy efficiency dataset.

- **A Survey of Deep Learning Techniques for 3D Reconstruction of the Human Body Shape**

Duration: Jul 2019 – Nov 2019

Project Detail: conducting an in-depth survey on deep learning techniques for image-based 3D reconstruction of the human body shape and providing the state-of-the-art report about an extensive and structured review of the recent developments in deep learning methods for 3D reconstruction of the human body shape by gathering peer-reviewed papers that have been published in the years 2018 and 2019 at major conferences such as CVPR, ICCV, and SIGGRAPH. Also, analysis and comparison of the performance of different deep learning techniques.

- **Analysis of mortality trend in Singapore from 1999 to 2018**

Duration: August 2019 – October 2019

Technologies: Tableau, Microsoft Excel

Project Detail: analysis and present the changes in the mortality trend such as death rates and the common causes of death in Singapore, mainly from 1999 to 2018 by using a dataset from several sources.

- **Analysis of the global video games sales**

Duration: March 2019 – May 2019

Technologies: RapidMiner, Machine Learning concepts and algorithms

Project Detail: predicting the global sales estimation of video games which are available in the worldwide market based on the CRISP-DM methodology by using RapidMiner.



Professional Development and Certifications

- Accenture Developer Program Virtual Internship | Forage
- Data Analysis with Python | FreeCodeCamp
- SheCode Australia | SheCode Flash Program
- Australian Computer Society (ACS) Member
- ACS Certificate | Information Security Fundamentals Course
- ACS Certificate | Maintenance & OS Deployment Course



Professional Reference

references available upon request