

Nyi Nyein Aung (Leo)

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Education

Payap University (International Program) 2020 - 2024

Bachelor of Science in Information Technology

- CGPA: 3.96/4.0, STEM Scholarship recipient, President's Honor List
- International College's Best Student Award Winner Academic Year 2021

Varee Chiang Mai International School, Chiang Mai Thailand 2015 - 2020

- IGCSEs: 6 A*s and 2 As, including A* in Computer Science, GPA: 3.65/4.00, GED: 718/800, IELTS band 7.5

Experience

Research Assistant February 2023 – Present

Department of Information Technology, Payap University

Chiang Mai, Thailand

- Created machine learning classification models for data analysis using MATLAB and WEKA
- Performed neuro signal processing to analyze EEG datasets for ERPs using MATLAB
- Conducted Literature Reviews and summarized experimental results
- Published an academic paper an international conference, as the first author, on using a supervised learning algorithm, Naïve bayes, to classify the type of migraine of a patient using medical data

Research Assistant August - November 2020

World Health Organization (WHO) CIIC Project

Chiang Mai, Thailand

- Coordinated data collection teams during community data collection from 4,000 elderly participants
- Designed and prototyped 2D models for elderly nursing care house
- Technical assistant during the filming and making of digital research implementation materials

Research Publications

- Nyi Nyein, A. & Srimaharaj, W. (2023, March), Migraine Categorization based on the Integration of EMD and Naive Bayes Classification, In 2023 Joint International Conference on Digital Arts, Media, and Technology with ECTI Northern Section Conference on Electrical, Electronics, Computer and Telecommunications Engineering (ECTI DAMT & NCON) (pp. 438-442). IEEE. (First Author)

Skills

- **Python** (Numpy, Pandas, Scikit-learn, Matplotlib, Seaborn); **SQL** (MySQL, PostgreSQL)
- **Data Science** - MATLAB, WEKA, RapidMiner; **JavaScript** (ReactJs, NodeJS, ExpressJs)
- **Tech** – Visual Studio Code, Jupyter Notebook, Apache NetBeans, Git, Github

Projects

AQI Category Classification – [Kaggle](#)

- Feature engineering categorical data to numeric data and built a pipeline for normalization and classification
- Created 5 classification models to classify the AQI category and achieved highest accuracy of 100%

Video Game Rating Prediction – [Kaggle](#)

- Featured engineered date-time data into numeric data and created two regression models to predict rating
- Evaluated the performance using four evaluation metrics

Online Forum (WAMP stack) (Individual University Project) – [GitHub](#)

- Responsive online forum using PHP, JavaScript, HTML, CSS, and MySQL
- Users can discuss topics of mutual interests by creating posts and making comments in discussions

Task Manager (PERN stack) - [GitHub](#)

- Full stack web application built using ReactJS, NodeJS, ExpressJs and PostgreSQL
- Allow user to store the tasks they want to do, edit the tasks, and delete them

Certificates

- Certificate for participation in the 8th International Conference, ECTI DAMT and NCON 2023
- Python for Data Science and Machine Learning Bootcamp (2023) – Udemy
- The Complete SQL Bootcamp (2023) - Udemy
- JavaScript Algorithms and Data Structures (2022) - Free Code Camp

Additional Information

Extracurriculars: President of the IT Club of Payap University (2022 – present), Department Representative of the International Student Union (2020 – present), Service director of Rotaract Club of Payap University (2021 – present)

Language: English (Fluent), Burmese (Native), Thai (Intermediate)

Interests: music, football (Man City fan), exercising, and guitar