

LOH YEN SHEN

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WORKING EXPERIENCE

DoctorOnCall

Malaysia

AI & Tech Intern

July 2022 - October 2022

- Assisted data analysts in building dashboards to visualize core business KPIs that saved 30+ hours per week of manual reporting work.
- Created reusable stored procedures with flexible parameters for future campaign analysis.
- Assisted the marketing team in price negotiations by extracting 5+ competitors' prices with multiple web scrapers.
- Proposed and automated the marketing team's manual data extractions from Nursing Homes, Rehabilitation Centers, Health Clinics, Community Clinics and Dental Clinics with multiple web scrapers.
- Worked closely under senior software engineers' guidance on developing and maintaining DoctorOnCall's E-Commerce platform.
- In a collaboration between DoctorOnCall and AIA, developed a webpage that facilitates AIA customers' appointments with DoctorOnCall's medical specialists.

TECHNICAL SKILLS

- **Data Science:** Python, R, SQL, Numpy, Pandas
- **Data Visualization:** Microsoft Power BI, Matplotlib, Seaborn
- **Machine Learning:** Scikit-Learn, [Stanford Online Machine Learning Certificate](#)
- **Web Development:** HTML, CSS, JavaScript, ExpressJS, Streamlit, Firebase, Java, Git, Github
- **Automation/Scraping:** Puppeteer, Selenium, Beautiful Soup

EDUCATION

University of Malaya

Malaysia

Bachelor of Computer Science (Data Science)

October 2020 - March 2024

- Dean's List, CGPA 3.95

SOFTWARE PROJECTS

- **Dengue Data Scraper**
 - Deployed a dengue data scraper that scrapes and stores the latest dengue data into Firebase.
 - Saved 30 minutes daily by scheduling and automating the scraping process on both Google Cloud Scheduler and Cloud Functions.
- **Divorce Rate Predictor**
 - Developed a data product capable of forecasting a couple's divorce rate.
 - Incorporated a supervised machine learning model with 97.62% accuracy in forecasting divorce rates.
- **Issue Tracker System**
 - Developed a system that helps software developers actively track, discuss, and resolve software applications' issues.
 - Incorporated data visualization features that generate insightful statistical plots from queried data in MySQL.
- **Clinic Management System**
 - Designed and implemented a simple clinic management system for Poliklinik Mahmood to facilitate patients' data storage and retrieval.

LEADERSHIP EXPERIENCES

- Teaching Assistant
 - Elected as one of the top 8 students to work as a programming teaching assistant under an assigned lecturer at the Faculty Of Computer Science & Information Technology, UM
 - Fundamentals of Programming (Lecturer: [Dr. Unaizah Hanum binti Obaidellah](#)) 2022
 - Fundamentals of Programming (Lecturer: [Dr. Mohd Hairul Nizam bin Md Nasir](#)) 2021
- President of JKP Multimedia (8th Residential College) 2021/2022
- Head of Welfare Bureau (UM-WOW: MHS) 2021/2022