LOH YEN SHEN

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WORKING EXPERIENCE

DoctorOnCall   **Malaysia**
AI & Tech Intern   *July 2022 - October 2022*

- Assisted the marketing team in price analysis by extracting 3+ competitors' product prices with multiple Puppeteer web scrapers, saving over 20+ hours of manual work weekly.
- Proposed and automated the marketing team's manual data extractions from Nursing Homes, Rehabilitation Centers, Health Clinics, Community Clinics and Dental Clinics with multiple Selenium web scrapers, saving over 50+ hours of manual work.
- Deployed a dengue data scraper on Google Cloud Functions, scheduled the recurring scraping process daily with Google Cloud Scheduler and stored the latest dengue data into Firebase, saving 30 minutes daily.
- Worked closely under senior software engineers' guidance on developing and maintaining DoctorOnCall's E-Commerce platform using ExpressJS and NextJS.
- Developed a landing page using HTML, CSS, JavaScript and Owl Carousel that facilitates AIA customers' appointments with DoctorOnCall's medical specialists.
- Assisted data analysts in aggregating the latest in-house stock-keeping units and analyzed campaigns' performances with Google BigQuery to drive business decisions.

TECHNICAL SKILLS

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

CERTIFICATIONS

- Machine Learning (Stanford Online)
- Introduction to Machine Learning in Production (DeepLearning.AI)
- Machine Learning Data Lifecycle in Production (DeepLearning.AI)

EDUCATION

University of Malaya   **Malaysia**
Bachelor of Computer Science (Data Science)   *October 2020 - March 2024*

- Dean's List, CGPA 3.95

SOFTWARE PROJECTS

- **Divorce Rate Predictor**
  - Deployed a data product using R Shiny to forecast a couple's divorce rate.
  - Incorporated a binomial-response generalized linear model with 97.62% accuracy in forecasting divorce rates.

- **Issue Tracker System**
  - Developed a system in Java that helps software developers actively track, discuss, and resolve software applications' issues.
  - Incorporated data visualization features using R scripts that generate insightful statistical plots from queried data in MySQL.

- **Clinic Management System**
  - Designed and implemented a simple clinic management system in Java and MySQL for Poliklinik Mahmood to facilitate patients' data storage and retrieval.

TEACHING EXPERIENCES

- Teaching Assistant
  - Taught lab class for WIX1002 Fundamentals of Programming to 30 students 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