Arkar Min

HP: +65 86873760 | Email: arkar.edward19@gmail.com
Github: github.com/Akmystery | LinkedIn: linkedin.com/in/arkar-min

EDUCATION

Nanyang Technological University   **Aug 2017 – July 2020 (Expected)**

- **Bachelor of Engineering (Computer Science)**
- Expected Honours (Highest Distinction)
- Current GPA: 4.54 / 5.00
- Achieved Distinction in (1) Digital Logic (2) Computer Organization & Architecture (3) Object Oriented Design & Programming

Ngee Ann Polytechnic   **Apr 2014 – May 2017**

- **Diploma in Electronic & Computer Engineering**
- Graduating GPA: 3.94 / 4.00
- Winner of Heidenhain Pacific Prize (The most outstanding award for Data Communication Module)

ACADEMIC PROJECTS

Nanyang Technological University   **Jan 2019 – Dec 2019 (Expected)**
Final Year Project
Title: Grammatical Error Correction – Deep Learning Research

- Performed data pre-processing and spelling checking on training data using Python, PyEnchant and NLTK libraries to improve the data quality and training efficiency
- Implement a neural machine translation model which can detect and correct grammatical error with the accuracy of 0.58 (JFLEG standard) using Python, MarianNMT, TensorFlow
- Design and implement client-server web application, using React.js for frontend UI and Python, Flask for backend server hosted in Google Cloud

Machine Learning Project   **Jan 2019 – Apr 2019**
Title: Corporación Favorita Grocery Sales Forecasting

- Preformed basic data pre-processing, data-analysis, feature extraction and feature engineering of historical sales using Python, Panda, NumPy, Matplotlib, Scikit-learn
- Forecasted the sale of each item from each shop of Corporación Favorita for next two months via assembled model of Neural Network model and LightGBM model, using TensorFlow and LightGBM and placed 99 out of 1625 in Kaggle Competition

Information Retrieval Project   **Jan 2019 – Apr 2019**
Title: Review-based Amazon Information Retrieval System

- Analysed all the reviews for every single product and summarised them via Extractive Summarisation method using Python and NLTK libraries
- Designed and Implemented a search system which can retrieve the correct products based on the relevancy between search keywords and products' reviews with the accuracy of 90% using Solr, Lucene and Jetty frameworks

Advance Software Engineering Project   **Aug 2018 – Dec 2018**
Title: Dating Mobile Application for Elderly
- Led a team of 8 members to develop a dating mobile application for elderly using Java
- Monitored and reviewed the progress of tasks assigned to each member efficiently and completed the project 2 weeks earlier than the deadline

Software Engineering Project   **Jan 2018 – Apr 2018**
Title: Web Application to locate Health Care Services
- Performed a requirements analysis and designed an application using Model-View-Controller design pattern which can use resources efficiently and can be improved easily
- Developed a web application which can find and book appointments in health care services around Singapore using C#, ASP.Net, SQL and Government API

WORK EXPERIENCE

Dynamicweb APAC   **May 2018 – Jul 2018**
Software Engineer, Intern
- Performed requirements analysis to build a chatbot which assists customers to buy products from e-commerce websites
- Designed and built a functional chatbot using Microsoft Bot Framework, LUIS, QnAMaker, and C# within 3 months from scratch
- Wrote a documentation which explains in detail about all parts of the project for other developers to easily continue working on the project

LEADERSHIP & CO-CURRICULAR ACTIVITIES

Ngee Ann Myanmar Society   **Jun 2019 – Jan 2020 (Expected)**
Organizer (Play In-Charge) for Myanmar Culture Show 2020
- Lead a team of 15 members and coach them to perform in front of expected 800 audiences
- Interact with each member closely to find out his/her strength and weakness and recommend the suitable methods to improve them
- Plan the general timeline and weekly goals and empower the team to meet every weekly target

SKILLS

Languages: English, Burmese
Programming Skills: Python, C, HTML/CSS, JavaScript, C#, SQL, Java, PHP, C++
Libraries & Frameworks: Bootstrap4, Microsoft Bot, LUIS, QnA Maker, Tensorflow, NLTK, MarianNMT, Panda, NumPy, Matplotlib, Scikit-learn, Kera, Solr, Lucene, Jetty, React.js, PyEnchant, React Native, Laravel
IDEs and Tools: Atom, Visual Studio Code, Visual Studio, Jupyter Notebook, Android Studio, Google Colab