Omsyaran a/l Chandran

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I am an independent and self-motivated computer science student currently in Year 4 of my degree. I am extremely curious and passionate about software and programs that are built to solve various types of problems. I am very much interested to learn and share my knowledge in the working environment.

Experience

Software Engineer Intern, March 2022 – September 2022
Finexus Sdn Bhd, Kuala Lumpur, Selangor.

- Collaborated with a team of 20 people which includes developer and tester on a government bank system
- Designed front-end screens of the system
- Developed back-end APIs for the system
- Carried out unit testing for the processes of the system
- Completed and delivered the second phase of the bank system within 4 months

Educational Background

Bachelor of Computer Science Hons, 2019 – Ongoing
University of Science Malaysia (USM), Penang.

- Current CGPA 3.64
- Majoring in Intelligence Computing with field electives in Intelligent Systems & Data Analytics

Science – Module II – 2 Semester System, 2018 – 2019
Kolej Matrikulasi Pulau Pinang (KMPP), Penang.

- CGPA 3.79

Sijil Pelajaran Malaysia (SPM), 2013 – 2017
Sek. Men. Keb. Taman Desa 2 (SMKTD2), Selangor.

- Result 2A+ 4A 1B+ 2B
- Science Stream

Skills

Technical Skills
- Machine learning
  - R, PyTorch and Tensor
- Web/App development
  - HTML, CSS, PHP. React, SQL, Flutter and Spring
- Programming
  - C++, Python, Java, and JavaScript
- Version Control
  - Git, Bugzilla, and GitHub
- Others
  - Microsoft Office applications and JIRA

Languages
- Tamil language   - Native
- English language   - Fluent
- Malay language   - Fluent

Accomplishments

- 4th Amphibious Electric Vehicle [AEV] Competition 2015 [8th place]
- 5th AEV Competition Senior Category 2016 [3rd place]
- 5th AEV Competition National Level - Senior Category 2016
- Academic Excellence Award SPM 2017
- Head of the Safety Bureau [JPP, KMPP] 2018 – 2019
- Part of the Peer Assisted Learning (PAL) for Physics 2018 - 2019
- Dean List Semester 2 [2019/2]
- Dean List Semester 3 [2020/1]
- Dean List Semester 4 [2020/2]
- Dean List Semester 5 [2021/1]

Certification

- General Certificate of Education Ordinary Level 2017 [Grade : A (a)]
- MUET Session 3 2018 [Band 4]

Projects

Machine Learning & Fuzzy Logic Model
QSAR Biodegradation dataset
- Given the task to predict which chemical will be in the ready state and not ready state by using the machine learning and fuzzy logic model to predict it. This project is done using Python and MATLAB. Sugeno is used for the fuzzy logic model.
- GitHub link: https://github.com/omsyaran/ML_QSAR.git

Graph Algorithms and Representation
Distance between cities related graph problem
- A Python program that is developed to manipulate a directed graph. This program can determine if the graph is strongly connected, has a cycle and to derive a shortest path via Dijkstra's Algorithm.
- GitHub link: https://github.com/omsyaran/graph_rep.git

User Notes Storing Web Application
Noter
- This is a web-based application where the user can log into their respective account and store their notes and view it anytime when they log into their account again. It is developed using the WAMP stack. PHP,CSS and HTML are used for this project.
- GitHub link: https://github.com/omsyaran/noter_site.git

Hobbies and Interests

- Enjoy reading self-improvement books
- Into photography and composing shots
- Very much interested in smartphone technologies
- Interested in customizing mechanical keyboards

Reference

- Academic Advisor: Dr. Anusha A/P Achuthan, Senior Lecturer, School of Computer Sciences, Universiti Sains Malaysia, anusha@usm.my