

# Poh Jun Leng

[junleng.poh@gmail.com](mailto:junleng.poh@gmail.com) | +65 9793 0003 | [LinkedIn](#) | Singapore

## EDUCATION & SKILLS

---

**Nanyang Polytechnic** | *Diploma in Information Technology*

Singapore | 2019-2021

- Coursework: Python, JavaScript, HTML/CSS, Artificial Intelligence (Specialization).
- Notable Courses: Database Management Systems, Data Structures & Algorithms, Advanced Programming, Foundation of AI, Machine Learning Technique, Robotic Process Automation.

**Skills:** Python | JavaScript | HTML/CSS | Flask, Keras | Bootstrap | Object-Oriented Programming

**Computer Science 101: Master the Theory Behind Programming** ([Udemy](#))

05/2023

## EXPERIENCE

---

**Aktus M.U. Kreatif Pte Ltd** | *Software Developer (Freelance)*

Singapore | 03/2022 – 08/2022

- Improved clock-in time of **~100 employees by 90%** by creating a full stack application from scratch to streamline and track employee clock ins.
- Ensured **~99% accuracy** in user clock in location by integrating **Google Maps API** to cross check users' current location with company's address.
- Integrated and utilized **Google Firestore** as a database to create and retrieve user's data (e.g. clock in/ out times, location).
- Returned as Freelancer via request from CEO due to excellent previous performance.
- Deployed application for testing phase via **ngrok** (API deployment).
- Frontend: **JavaScript , HTML,/CSS (Bootstrap)** | Backend: **Python (Flask), Google Firestore.**

**Aktus M.U. Kreatif Pte Ltd** | *Software Developer (Intern)*

Singapore | 03/2021 – 07/2021

- Prevented data tempering from malicious users by creating Google Firestore security protocols as part of database management.
- Fixed bug in application where users will clock in multiple times when user refreshed page.
- Implemented dynamic CSS user interface resizing when users resize application display.

Frontend: **JavaScript, HTML/CSS (Bootstrap)** | Backend: **JavaScript, Google Firestore**

## PROJECTS

---

### NVIDIA Stock Prediction (Recurrent Neural Network)

Using 5 years of previous data, predict NVIDIA stock price (tested against test data from dataset).

- Utilizing **Yahoo Finance API**, retrieve past 5 years of NVIDIA close prices.
- Split the data into 2 different sets (training and test sets).
- Used MinMaxScaler to rescale training data and test data.
  - Allows the data to be transformed into a range between 0 and 1 while keeping its relative relationships between each value. (Converts data in dataset into a feature).
- Created Sequential Model with Keras (Optimizer: Adam, Loss: Mean Squared Error).
  - Adam used as its efficient with time-based series data, mean squared error used as it's a good estimate for future price values.
- Trained and back-test model with training and test sets respectively.
- Utilized **Matplotlib** to visualize predictions against test data.
- Results :17.70 (Mean Squared Error, 4.21 (Reversed Mean Squared Error).