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EDUCATION

Nanyang Technological University (NTU)

Aug 2019 – Jun 2023 (Expected)

School of Electrical and Electronic Engineering

- **Bachelor of Engineering (Electrical and Electronic Engineering)**
- **Upper-Second Class Honours**; CGPA: 4.40 / 5.00
- **Relevant Modules:** (1) Introduction to C Programming (2) Data Structure and Algorithms (3) Introduction to Data Science and Artificial Intelligence (4) Artificial Intelligence and Data Mining (5) Web Application and Design (6) Machine Learning Design and Application
- **Certificates:** Deep Learning: Recurrent Neural Networks in Python(Udemy), Data Structures and Algorithms Python(Udemy), Django with React(Udemy), The Complete Flutter Development Bootcamp with Dart(Udemy)

PROJECTS

NTU Design and Innovation of Project: **Development and Implementation of Blockchain-based Energy Trading Platform for Microgrids**

Aug 2021 – Dec 2021

- Develop smart contracts through **Solidity** Programming to create a platform for people to trade energy on the blockchain platform with cryptocurrency
- Develop Web through **Web3** and **ReactJs** for customers to easily access and trade on the trading platform
- Create Local Ethereum Blockchain Network using **Go Ethereum** to simulate and test processes on the blockchain trading platform

INTERNSHIP

NEC APAC– Summer Intern (Public Safety Business Department)

May 2021 – Jul 2021

- Assisted in engineering projects for the supervisor

Internship Project Attachment: **Project Life Cycle**

- Executed many test cases with use of Lidar Sensors to detect social-distancing in Crowds
- Stimulate Real-Life Crowd Movement using **Python** application for more test cases
- Designed and deployed the applications to **Docker** and into **Azure Cloud Services**
- Pushed Data collected from Lidar Sensors into Azure Cloud Database and Local Database such as **PostgreSQL** and **MSSQL**

Panasonic R&D – Full-Stack Developer Intern (R&D Department)

Jan 2022 – July 2022

Internship Project: **SISP Improvement Project**

- Improved their existing system of SISP implemented with **Flask** and **Python**
- Created new databases for the system with noSql such as **MongoDb** and **Redis**
- Connected many IoT devices to the system with Python as the main language
- Integrated the new Frontend Platform into the SISP system with **Typescript** and **NextJs**

Internship Project: **POC-Project with tracking sensor (Proof of Concept)**

- Helped in creating new modules to track people with their identity in the environment
- Designed the website with **Figma**
- Created dashboard for users using **HTML, CSS** and **Javascript**
- Assisted in the demonstration of the of the Project to customers

ACHIEVEMENTS / AWARDS / RECOGNITION

- Badminton A division 4th in Nationals 2016, 2017
- Badminton B, C Division 2nd and 3rd in North Zone 2012 -2015

LEADERSHIP / CO-CURRICULAR ACTIVITIES / COMMUNITY INVOLVEMENT / VOLUNTEERISM

Hall 12 Block Manager (NTU)

Aug 2019 – May 2020

- Conducted events in hall for respective blocks
- Disseminate information from the top into the residents

Hall 12 Badminton Captain (NTU)

Aug 2020 – Mar 2021

- Mentored members to play badminton
- Managed and conducted trainings for all residences residing in Hall 12.

NATIONAL SERVICE

Forklift Maintenance 2IC (SAFAC)

June 2017 – Jan 2019

- Maintained Forklift's condition to be always in their prestige condition
- Spearheaded Forklift Safety Projects to better track movements of forklifts and capture incidents with Video Cameras

SKILLS / HOBBIES

- **Languages:** Fluent in English and Chinese (Mandarin); conversational in Japanese
- **Software Programming:** C Language, HTML, CSS, JavaScript, ReactJs , Python
- **Software Applications:** Microsoft Office 365 (Excel, Word, PowerPoint)
- **License:** Driving License Class 3A
- **Hobbies:** Sports(Badminton)